

# SIGNAL BOOSTER TVRTR868A01

UK

## ATTENTION !

For a correct functioning , before feeding the device, be sure that where it has been positioned it cannot be covered by any metal structure and that there is no electrical radio interference that may jam with the device radio receipt and transmission.

## GENERAL DESCRIPTION

### General description

Radio relay system for the signal repeat for TvLink device. Once received a radio signal, the device will transmit it for a time, that can be set up (by default 180ms).

This device repeats the signals coming from the transmitters of the **Tvlink** system and of the **Tvlink** device itself. In order to repeat the signals (codes), these need to be memorized in the repeater.

The memorizing channel (taste P3) in the remote controls of the TVTXV series and of the TVTXP series will not be repeated.

During the standard operation, the signal repeat is indicated by the led.

**Attention, a code memorizing will enable all channels connected to this code.**

**(E.g. in a 4-channel transmitter, the memorizing of 1 channel will enable all the other, too.)**

### Transmitting time Set up

It is possible to set up four values for the radio transmission time(T1,T2,T3 and T4), from a minimum of approximately 180 milliseconds(T1) up to a maximum of approximately 3,5 (T4) seconds. The procedure is the following:

- 1.-to take the power supply off the booster
- 2.-press P1 push button
- 3.-feed the booster ( the led will be off as long as the push button will be pressed)
- 4.-release and re-press the button (the led will light up) as many times as you wish to set it up

Examples:

If you release and if you don't re-press the button, you will setting the threshold T1 (by default 180ms)

If you release and press the button one time, you will set the threshold T2 (1 sec.)

If you release and press the button two times, you will set the threshold T3 (2 sec.)

If you release and press the button more than three times, you will set the threshold T4 (3,5 sec.)

5.- release the button (the led is on) and wait for five seconds until it goes out.

Attention, when the device is connected to signals coming from transceivers, you must wait, according to the default time.

**ATTENTION: The first transmitter can only be memorized using the receiver (you are advised to cancel the entire memory content at the beginning of each installation by pressing the DEL button).**

### To memorise a code in the receiver:

- 1) press and hold down the button P1 and the LED will remain constantly lit.
- 2) press one of the two buttons relative to the pair of channels to be memorized and once memorized the LED will flash rapidly.

To memorize another pair of codes repeat operations 1 and 2.

To memorise a code sent by TVLink repeat instruction 1 and 2 and transmit the command ("OPEN" or "CLOSE"). With this process, all channels concerning that application and all answer channels concerning the transceivers, will be memorised.

### How to insert and address a transmitter via radio without accessing the receiver when a transmitters is already memorised.

- 1) Press the button "P3" (of an already memorised transmitter) . The LED will remain constantly lit for 5 seconds.
- 2) **Press the button of a channel already in the receiver memory (you have activated the memory of the desired receiver) where you want to address the new transmitter channel. The led will stop lighting for 1 second and will remain constantly lit for 5 seconds.**
- 3) Transmit the channel which is to be memorised within 5 seconds. Once the channel is memorised the LED will flash.

### Errors during the memorisation

If the code hasn't been memorised it could be due to the following reasons:

- the memory is full. In this case the LED will flash for 3 intervals each time it is switched on end during the memorisation,
- the indexing procedure has not been correctly started up,
- the code already exists in memory.

### To cancel a code from the receiver:

- 1) press twice and then hold down the button **P1** and the LED will flash slowly.
  - 2) press one of the two buttons relative to the pair of channels to be cancelled and once memorized the LED will remain constantly lit.
- To cancel another pair of codes repeat operations 1 and 2.

### To cancel via radio a code through a trasmitter already set in the memory

- 1) Press "P3" for three times within 5 seconds, LED will flash slowly.
  - 2) Transmit the code which is to be cancelled within 5 seconds, once the code has been cancelled the LED turn off.
- To cancel ulterior codes repeat points 1 and 2

### To cancel all codes in memory:

- 1) press the button **P1** three times and hold down for at least 10 seconds (during this period the LED will flash rapidly) until the LED remains constantly lit. Release the button.

## TECHNICAL SPECIFICATIONS

Reception frequency	868.3 MHz
Trasmission frequency	868.3 MHz
Intermediate frequency	10.7MHz
Sensitivity (finely tuned signal) 1 $\mu$ V	

Power supply	230 V $\sim$
Operating temperature range	-20° - + 60 °C

