



# USER'S MANUAL

## eLR1-868H2/eLR1-868H2M/eLR1-868S

### INTRODUCTION

Thank you for purchasing the eLR1-868 radio receiver; we hope that you will be pleased with our product. Our company makes every effort to ensure top-quality products that can be used for a long time without failure.

#### NOTE

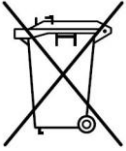
**eLR1-868H2** cooperates with transmitters working at a 868.3MHz frequency and compatible with Keeloq standard. It can memorize up to **42** remotes.

**eLR1-868H2M** cooperates with transmitters working at a 868.3MHz frequency and compatible with Keeloq standard. It can memorize up to **1000** remotes.

**eLR1-868S** receiver was designed for use with transmitters:

- **Marantec Digital (868.3MHz, FIXED-CODE)**
- **Hormann (868.3MHz FIXED-CODE –grey enclosure, blue buttons )**

It can memorize up to **32** remotes.



In accordance with the applicable regulations on disposal of redundant equipment by private users in the European Union, any items with such a symbol **MUST NOT BE** disposed of with other waste. In this case the user is responsible for proper disposal by delivering the device to a designated point, or to the manufacturer, which will handle further disposal. Separate collection and recycling of redundant equipment help to protect the environment and ensure that disposal is carried out in such a way as to protect human health and the environment. The note also applies to used batteries and accumulators.

In accordance with the provisions of Directive 2006/42/EC on machinery, we declare that the product must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with directives and relevant provisions which must be met by the final machinery.

## SOFTWARE

MARKING	NOTES
1.2.1-H R1:1.0.7/3.0.0	eLR1-868H2
1.3.0-H R1:1.0.8/3.0.0	eLR1-868H2M
2.0.0-H1M R1:1.0.5/6.0.0	eLR1-868S

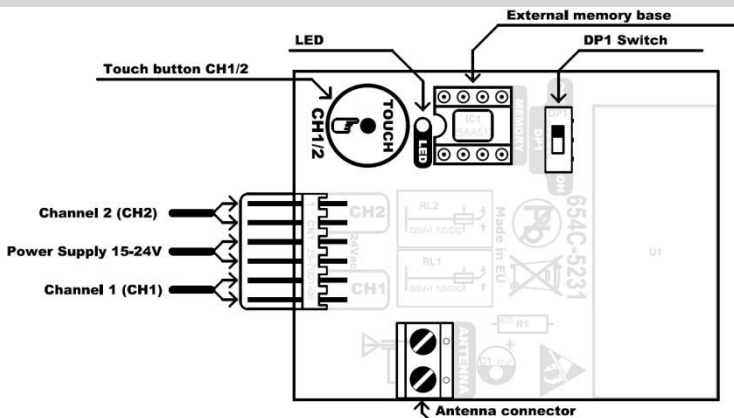
## ADVANTAGES OF eLR1-868 RECEIVER

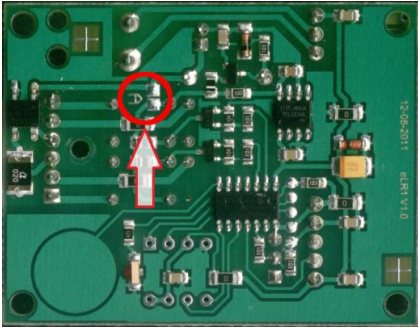
- An excellent superheterodyne receiver with double interference filtering.
- Non-volatile memory in remote controls.
- Easy installation, learning and configuration procedure.
- Operation in the bistable and monostable mode for channel CH2.
- Option to connect an external antenna.

All the activities relating to installation of the driver should be carried out when the device to which we want to incorporate the receiver is powered off.

The first step of the installation is to assemble the mechanical radio receiver, then to connect the outputs and supply voltage.

## CONNECTION





It is possible to supply the eLR1-868 receiver with a voltage of 12V. To do this, connect the solder points marked with the letter "A".

## PROGRAMMING

Programming is carried out by the light emitting diode (LED) and the touch button located on the plate, in the field marked with a circle and a dot, and the symbol CH1/2.

### Transmitter button for CH1.

Press and release the touch button (for less than 3 sec.), the LED will begin to flash. The LED will flash for 5 sec. At this time press the selected button you want to program for the device on the remote control. If the remote control has been programmed properly the LED will flash 3 times. The receiver will remain in the remote control programming mode, which will be indicated by LED flashing. To program another remote control, push the selected key on it. The LED will again flash 3 times, etc. When the LED flashes 2 times, it means that the memory is already full, whereas 1 flash means that the receiver has left the remote control programming mode and returned to its normal operation. After programming all remote controls you can exit the programming by briefly pressing the touch button, or the receiver will automatically exit the programming mode after 5 seconds, which will be confirmed by 1 flash of the LED.

### Transmitter button for CH2.

Press and hold the CH1/2 button, the LED will light up, then go out, which indicates that the CH1/2 button should be released. When you release the button, the LED will begin to flash. The LED will flash for 5 sec. At this time press the selected button you want to program for the device on the remote control. If the remote control has been programmed properly the LED will flash 3 times. The receiver will remain in the remote control programming mode, which will be indicated by LED flashing. To program another remote control, push the selected key on it. The LED will again flash 3 times, etc. When the LED flashes 2 times, it means that the memory is already full, whereas 1 flash means that the receiver has left the remote control programming mode and returned to its normal operation. After programming all remote controls you can exit the programming by briefly pressing the touch button, or the receiver will automatically exit the programming mode after 5 seconds, which will be confirmed by 1 flash of the LED.

### Deleting all transmitters from the receiver memory.

Press and hold the CH1/2 button. At this time the LED should light up, go out, then flash 3 times. Release the CH1/2 while the LED is flashing, it will light up again. Now you need to press and hold the CH1/2 button within 3 seconds until the LED flashes 3 times again and goes out. All transmitters have been removed from the receiver memory.

### NOTE.

It is possible to change the control keys of a pre-programmed remote control by re-programming other key on the remote control. When you are programming changes remember that the unprogrammed key will replace the previously programmed key. After reprogramming, the key previously programmed on one channel will begin to work in other mode. You can also delete all the keys from one of the selected channels. You must enter one of the three remote control button modes; when the LED is flashing press and hold the CH1/CH2 touch button again until the LED lights up and blinks 3 times, then release the button. All the keys in the selected feature have been deleted.

## CONFIGURATION

### Bistable mode.

eLR-868 receivers have the option to configure the CH2 output as monostable or bistable; to switch the CH2 channel to the bistable mode change the position of the DP1 to ON. The DP1 switch in the OFF position changes the CH2 output to the monostable mode.

## PRECAUTIONS AND SAFETY RECOMMENDATIONS

- Please read all warnings and safety rules before attempting to assemble and use the receiver.
- Do not connect power supply earlier than indicated in the manual.
- The device should be stored and installed in locations inaccessible to children.
- All the operations associated with the installation (connection, start-up, operation) must be carried out in accordance with the applicable rules on operation of electrical equipment and the occupational health and safety rules.
- The type of electrical system and its protection against electric shock are specified in the standards.
- All the operations can be performed only by properly authorised persons.
- The device must be connected in accordance with the attached description/diagram

## SPECIFICATION

<b>Frequency:</b>	868.3MHz
<b>Modulation:</b>	OOK
<b>Range:</b>	up to 150m
<b>Transmission:</b>	eLR1-868S –fix code eLR1-868H2(M) –Keeloq
<b>Power supply:</b>	15-24V ( depends on configuration)
<b>Current consumption:</b>	12/60 mA (maximum)
<b>Outputs:</b>	NO / two / 1A/30Vdc (max power 62,5VA/30W)
<b>Temperature range:</b>	-20°C / +70°C
<b>Dimensions:</b>	47x67x24mm
<b>Weight:</b>	41g
<b>Enclosure:</b>	IP40

Distributor / Seller