



# velleman K6708 One Channel IR Codelock Transmitter User Manual

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**K6708**

ONE CHANNEL IR  
CODELOCK TRANSMITTER

**H6708B-ED1**

**VELLEMAN KIT NV**

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## INFRARED CODE LOCK TRANSMITTER

In combination with the code lock receiver, this device is the basis for the remote operation of a wide variety of mechanisms such as a garage door, a door lock, a car alarm (e.g. K3504), and/or central locking system, in-door,

and outdoor lighting, etc.

This transmitter is also suitable for operation with the car alarm kit, K3512.

A choice can be made from over 8000 codes, thus giving unwanted visitors no chance whatsoever.

Moreover, it is possible to combine several receivers with one single transmitter or vice versa.

## TECHNICAL DATA

- Works with the K6709 infrared code lock receiver
- One channel
- Suitable for operating the Velleman car alarm K3512
- 8748 possible codes
- Distance transmitter/receiver:  $\pm 7\text{m}$
- LED on/off indication and battery level indication
- Keyfob housing
- Power supply: 12V battery type V23GA, GP23A, 23, 23M, VR22
- Dimensions (WxLxH): 35 x 15 x 57 mm

We reserve the right to make changes without notice

## ASSEMBLY

### VERY IMPORTANT

- MOUNT ALL COMPONENTS AGAINST THE PCB
- USE A SMALL SOLDERING IRON OF MAX. 40W
- USE THIN (1mm) SOLDER
- DO NOT USE SOLDER FLUX
- CARELESS ASSEMBLY WILL INEVITABLY LEAD TO PROBLEMS

Mount the components in the order indicated in the separate parts list. The parts marked with (!) require special attention in the assembly instructions.

Before you start installing the components onto the PCB, you should first try to slide the PCB into the housing. If this is not possible, use fine paper sand to lightly sand down the edge of the PCB.

1. 1/4W resistors.
2. Diode. Check the polarity!
3. Zener diode. Check the polarity!
4. Push-button. Mount it against the PCB!
5. IC socket.
6. Capacitor.
7. Electrolytic capacitor. Fit it horizontally against the PCB. Check the polarity!
8. Transistor. Check the maximum height!
9. LED. Mount it at the indicated height. Check the polarity!
10. IR-LEDs. Mount them straight onto the PCB. Check the polarity!
11. Mount the battery holder. Check for a good joint between the solder and lead.
12. Mount the IC in its socket. Check the position of the notch.
13. Setting the code:

You can select the code for any transmitter/receiver pair yourself.

This can be done using the nine code islands closest to IC1. The code can be set by connecting one or more of these code islands to a neighboring '-' connector or to a neighboring '+' connector using a jumper, or by simply not making a connection (leaving it open): See figure.

- a) No connection
- b) Connection of a code island to '-'
- c) Connection of a code island to '+' (attention: certain codes cannot be connected to '+').

## TEST

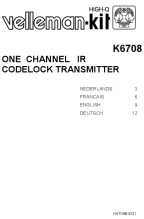
### IMPORTANT:

- The transmitter and receiver must have the same code.
- The transmitter and receiver must point towards each other and the maximum distance between them must not be exceeded.
- Make sure that the receiver diode cannot be reached by direct sunlight or artificial light. Perhaps use a sun hood.

Slide the PCB into the housing and place a 12V battery into the holder (check the polarity). When the push button has been pressed the LED on the transmitter and the receiver LED should light up. If both devices have the same code, the relay should switch over.

Click the housing cover into place.

## Documents / Resources

	<a href="#">velleman K6708 One Channel IR Codelock Transmitter</a> [pdf] User Manual K6708, One Channel IR Codelock Transmitter
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