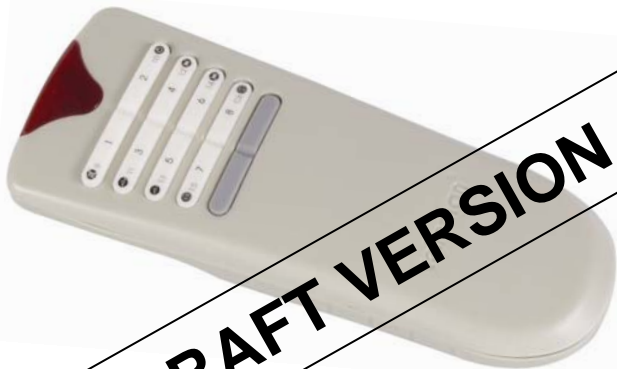


## 8 Channel RF transmitter



**DRAFT VERSION**

*K8058*  
*VM118*



Thank you for purchasing this module. Please read the instructions carefully to ensure correct and safe use of this device.



READ THE OPERATING AND MAINTENANCE INSTRUCTIONS IN  
THIS USER'S GUIDE CAREFULLY.

#### WARRANTY

This product is guaranteed against defects in components and construction from the moment it is purchased and for a period of ONE YEAR starting from the date of sale. This guarantee is only valid if the unit is submitted together with the **original purchase invoice**. VELLEMAN components Ltd limits its responsibility to the reparation of defects or, as VELLEMAN components Ltd deems necessary, to the replacement or reparation of defective components. Costs and risks connected to the transport, removal or placement of the product, or any other costs directly or indirectly connected to the repair, will not be reimbursed by VELLEMAN components Ltd. VELLEMAN components Ltd will not be held responsible for any damages caused by the malfunctioning of a unit.

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## **FCC information for the USA**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

If the user modifies this unit, and these modifications are not approved by Velleman, the FCC may withdraw the user's right to operate the equipment.

Details on the FCC regulation can also be found on the internet at <http://www.fcc.gov>

For questions regarding your product, contact:

Velleman Inc, 7354 Tower Street, Fort Worth, TX 76118

Or head office Velleman:

Legen Heirweg 33, 9890 Gavere

Belgium

## SPECIFICATIONS & FEATURES

### FEATURES

- ☒ Works together with the VM117 or other compatible receiver cards.
- ☒ 8 addresses allow the use of multiple receivers
- ☒ 'all clear'- function
- ☒ Toggle or momentary mode for each key
- ☒ Open-field range up to 50m
- ☒ Rubber keypad

### SPECIFICATIONS

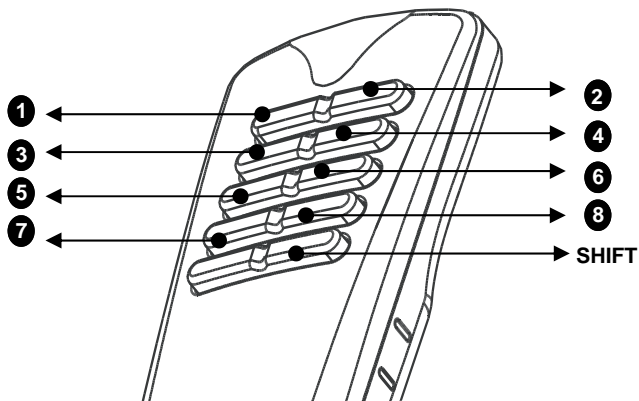
- Operate up to 8 channels
- 433MHz operation
- LED function/mode indication
- Power supply: 3 AAA batteries
- Dimensions: 150 x 58 x 20mm (5.9" x 2.3" x 0.8")

Velleman hereby certifies that the device K8058 / VM118 meets the essential requirements and all other relevant stipulations of directive 1999/5/EG and 1995/5/EC.

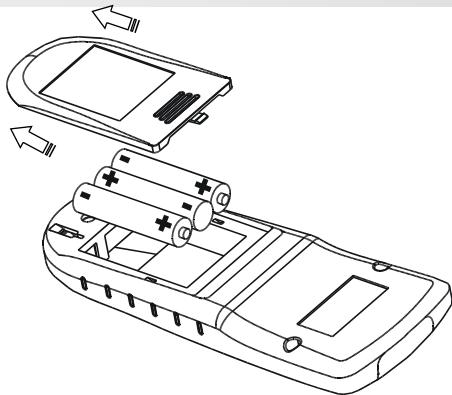
For the complete conformity declaration check out :[http://www.velleman.be/downloads/doC/CE\\_K8058\\_VM118.pdf](http://www.velleman.be/downloads/doC/CE_K8058_VM118.pdf)

## KEYBOARD LAYOUT

### CHANNEL SELECTION



## USE



Insert the batteries in the battery compartment as indicated in figure and close the compartment.



**Remark :** Respect your national and local laws when disposing of empty batteries.

### When the batteries are inserted for the first time :

Channels 1..8 are configured as 'toggle' and are accessible by pressing button 1..8.

The indicator led will briefly light when a button is pressed.

Briefly pressing the shift button turns off all relays.

8 Addresses are available. Address 1 is the default address.

### When the batteries are replaced :

The unit will remember its address and the 'toggle'/'momentary' setting for each channel.

## SETUP

Hold 'shift' until the LED lights to enter the 'set-up' mode.

***Choose one of the following options by pressing the corresponding button :***

- (1) 'Toggle'/'pulse'-selection.
- (2) Display the current remote control address on the receiver.
- (3) Change remote/relay card address
- (4) Force remote/relay card address to address 1

**(1) 'Toggle'/'pulse'-selection (LED flashes once) :**

Allows you to select 'toggle' or 'pulse' mode for each channel.

Pressing a channel button (1..8) repeatedly allows you to choose between 'toggle'- and 'pulse'-mode for that particular channel (LED flashes once : pulse, two flashes : toggle).

Press 'shift' to leave this mode. Press 'shift' again to leave set-up mode.

**(2) Display the current remote control address on the relay card (LED flashes twice) :**

Relay LEDs display the address in binary fashion i.e. LD8 : LSB, LD1 : MSB

Press 'shift' to leave the set-up mode.

**(3) Change the current address of the remote and relay card (available addresses : 1..8) (LED flashes three times) :**

Press button 1..8 to change the current address of the remote and the relay card. The relay card will display the current address in binary fashion (see (2)).



**Attention :** All active cards will respond to this command (except when the 'remote control' jumper on the relay card is set to 'off'). Press 'shift' to leave this mode. Press 'shift' again to leave the set-up mode.



**4) Force the remote/relay card to address 1.**

If the receiver has been set to an address other than 1..8, you can force it to respond to address 1.



**Attention :** All active cards will respond to this command (except when the 'remote control' jumper on the relay card is set to 'off'). Press 'shift' to leave the set-up mode.

You can leave the 'set-up' mode at any given time by pressing the 'shift'-button repeatedly until the LED turns off. If no button is pushed for a while, the unit will leave the 'setup'-mode and the LED will turn off.



All repairs should be executed by qualified technicians.

### **SAFETY INSTRUCTIONS**

- Handle the module gently and carefully. Dropping it can damage the circuit board.
- Never exceed the protection limit values indicated in the specifications.
- As safety requirement vary, please check with your local authorities.
- Facilitate the operation of the device by familiarising yourself with its adjustments and indications.
- Velleman modules are not suitable for use as part of life support systems, or systems that might create hazardous situations of kind.

**Repair under warranty is only possible with date and proof of purchase.**



# K8058/VM118

## USER MANUAL

# 8 CHANNEL RF TRANSMITTER



Belgium [Head office]	Velleman Components	+32(0)9 384 36 11
France	Velleman Electronique	+33(0)3 20 15 86 15
Netherlands	Velleman Components	+31(0)76 514 7563
USA	Velleman Inc.	+1(817)284-7785
Spain	Velleman Components	+32(0)9 384 36 11

