

Control module TRIGGER 12V RF



USER MANUAL

TRIGGER 12V RF– low voltage radio triggering module

TRIGGER 12V RF is a wireless device that controls a projection screen or a projector elevator (e.g., V_Ultra Slim KAUBER) from the level of, for example, a multimedia projector, AV receiver or devices equipped with the TRIGGER 12V DC output. The module also makes it possible to control the screen or elevator by means of a button switch. Additionally, it is possible to control the module via remote control. The device is an ideal solution for all those who value comfort and ease of use.

TRIGGER 12V RF is an excellent choice for both – a conference presentation and home theatre.

How it works:

The module is controlled by a radio. The transmitter communicates with the receiver by sending commands to fold or unfold the screen/elevator. After the projector is switched on, the transmitter sends a signal to the receiver to unfold the screen/elevator. The module issues the command “Unfolding”.

The moment the power to the projector is cut, the transmitter stops sending signals and after a few seconds the module issues the command “Folding”.

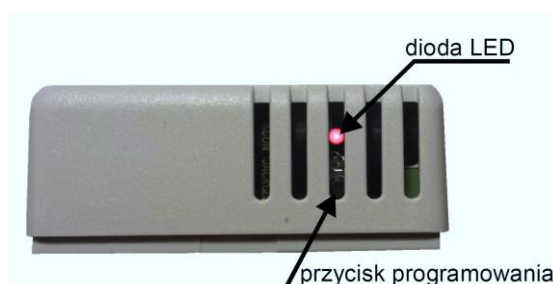
At any time when the module is active, we have the ability to control the screen/elevator by means of the button switch with/without the “hold” function and the radio remote control KAUBER.

When the button with the “hold” function is used, the screen/elevator folds or unfolds itself until the button is released. During this time, the device does not react to other controlling commands. The method of functioning of the button input is programmed by means of the procedure described in the “*Module programming*” section.

The specific directions of movement of the screen/elevator are activated for **80 seconds** (the manufacturer’s default setting)



LED indicator



dioda LED

przycisk programowania

Programming button

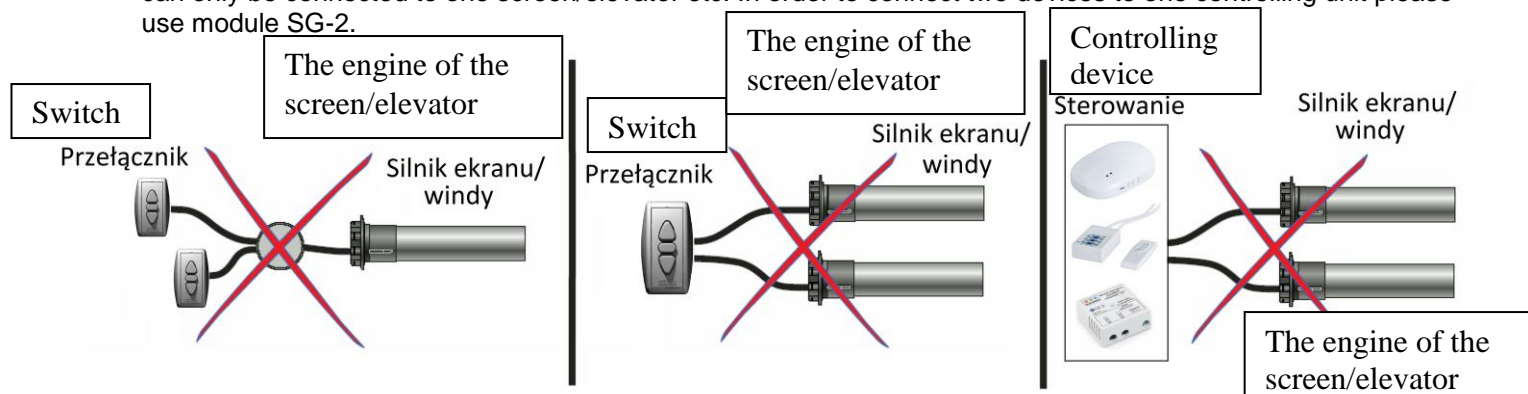
Setting up the device:

CAUTION!!!

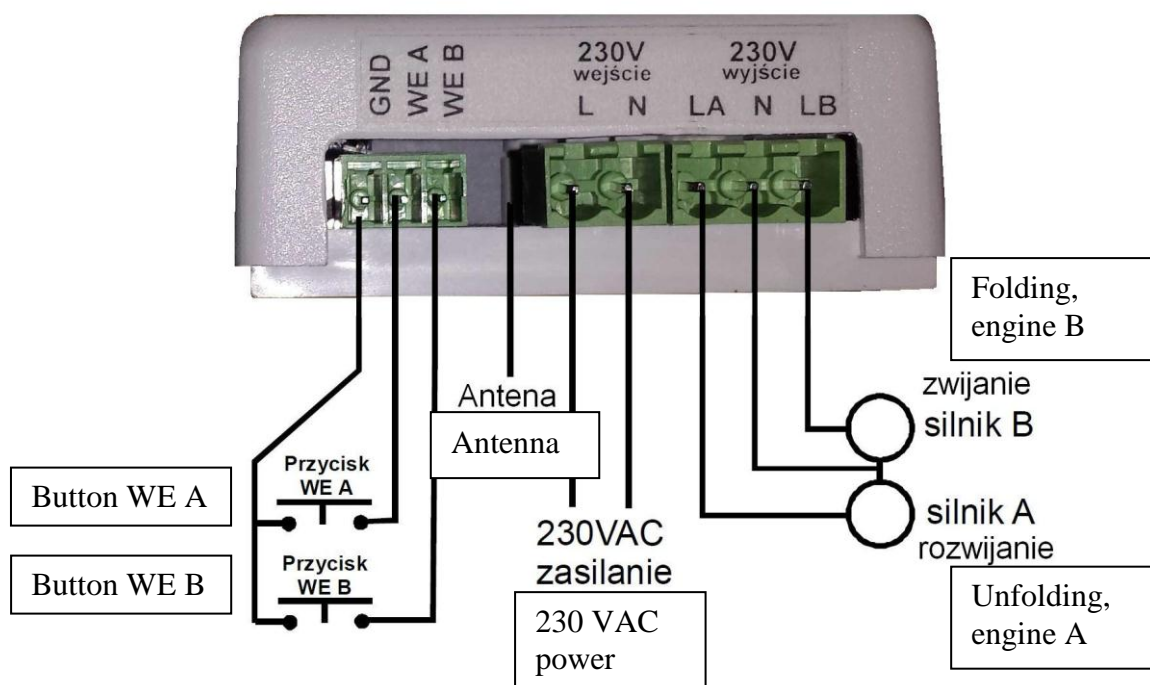
The module should only be set up by a person with the adequate electric permissions.
Before switching on the device, make sure all the cables are connected according to the pictures.

Important set up information:

- At a given time, only one external controlling device can be connected to the screen/elevator.
- At a given time, one controlling device (e.g., RC01/RC02/Trigger 12V/Trigger230V/IR Receiver/RS Receiver, etc.) can only be connected to one screen/elevator etc. In order to connect two devices to one controlling unit please use module SG-2.



How to connect



To begin setting up the module, we connect the engine of the screen/elevator to the module.

Analogically to the schematics above, we connect the cables from the engine in the following order:

1. the zero cable (**the blue one**) to the socket labelled **N (COM)**;
2. the phase cable (**the black one** – for type A)* to the socket labelled **LA** – once the projector is switched on, power appears in the **LA** socket (230V AC) for 80 seconds;
3. the phase socket (**brown** – for Type A)* to the socket labelled **LB** – once the projector is switched off, power appears in the **LB** socket (230V AC) for 80 seconds.

CAUTION!!!

*Check which cable colour is responsible for the folding and which for the unfolding of the screen/elevator.
The example presented above refers to KAUBER screens with the Type A engine.

Next step is to connect the button switch (optional):

1. connect the common cable of the switch to the **GND** socket;
2. connect the cable of the button DOWN (unfolding) of the switch to the **WEA** socket;
3. connect the cable of the button UP (folding) of the switch to the **WEB** socket.

Finally, connect the power (**Caution!!! The connected cable must not be powered up!!!**)

1. connect the zero cable (the blue one) to the socket labelled **N**;
2. connect the phase cable (the brown or black one) to the socket labelled **L**.

Once everything is properly connected according to the schematics and once the power is connected, the LED indicator flashes a few times.

Module programming:

1) Programming the transmitter to work with the module

Push the programming button **once** – it is located in the centre of the module. After about 2 seconds, the LED indicator will flash **once** confirming that the transmitter entered programming mode. From now on, the module awaits the signal from the transmitter. Turn on the projector. The transmitter inserted into the TRIGGER socket in the projector is going to start transmitting the signal. After a few seconds of transmitting, the transmitter is going to be memorized by the module and the function will automatically switch off. The module will confirm that it memorized the transmitter by flashing the LED indicator a few times.

2) Programming the remote control

The module can be programmed to recognize only KAUBER remote controls – Slim, iRemote, Modern.



a) Programming the “DOWN” button

Push the programming button located in the centre of the module **twice**. After about 2 seconds the LED indicator will flash **twice** confirming that the device entered the remote control programming mode. Press and hold the “DOWN” button on the remote for 5 seconds. The module will confirm that it memorized the button by flashing the LED indicator a few times.

b) Programming the “UP” button

Push the programming button located in the centre of the module **3** times. After about 2 seconds the LED indicator will flash **3** times confirming that the device entered the remote control programming mode. Press and hold the “UP” button on the remote for 5 seconds. The module will confirm that it memorized the button by flashing the LED indicator a few times.

c) Programming the “STOP” button

Push the programming button located in the centre of the module **4** times. After about 2 seconds the LED indicator will flash **4** times confirming that the device entered the remote control programming mode. Press and hold the “STOP” button on the remote for 5 seconds. The module will confirm that it memorized the button by flashing the LED indicator a few times.

3) Programming the time of unfolding

We carry out the programming of the time of unfolding by means of the button switch.

Push the programming button located in the centre of the module **5** times. After about 2 seconds the LED indicator will flash **5** times confirming that the device entered the remote control programming mode. Press and hold the “DOWN” button on the manual controls (the button switch). The screen/elevator will start unfolding (Channel “A” will be activated). Once the desired time has passed, release the “DOWN” button. Channel “A” will switch off – the screen/elevator will stop. The time of functioning of channel “A” from the “switch on” point to the “switch off” point is going to be memorized. The LED indicator will flash a few times to confirm the operation and exit the mode. The maximum time to memorize is 255 seconds.

4) Programming the time of folding

We carry out the programming of the time of folding by means of the button switch.

Push the programming button located in the centre of the module **6** times. After about 2 seconds the LED indicator will flash **6** times confirming that the device entered the remote control programming mode. Press and hold the “UP” button on the manual controls (the button switch). The screen/elevator will start folding (Channel “B” will be activated). Once the desired time has passed, release the “UP” button. Channel “B” will switch off – the screen/elevator will stop. The time of functioning of channel “B” from the “switch on” point to the “switch off” point

is going to be memorized. The LED indicator will flash a few times to confirm the operation and exit the mode. The maximum time to memorize is 255 seconds.

5) Switching off the countdown for the unfolding time

When the countdown for the unfolding time is switched off, the seconds are not counted and the direction of unfolding is toggled permanently or until the "STOP" button is pressed on the remote or button switch. Push the programming button located in the centre of the module **7** times. After about 2 seconds the LED indicator will flash **7** times confirming that the function is set.

6) Switching off the countdown for the folding time

When the countdown for the folding time is switched off, the seconds are not counted and the direction of folding is toggled permanently or until the "STOP" button is pressed on the remote or button switch. Push the programming button located in the centre of the module **8** times. After about 2 seconds the LED indicator will flash **8** times confirming that the function is set.

7) Programming the method of functioning of the button switch input

a) STABLE MODE

The engine output is switched on for the duration of holding the button on the switch. Push the programming button located in the centre of the module **9** times. After about 2 seconds the LED indicator will flash **9** times confirming that the function is set.

The module is set to the stable mode by default.

b) TEMPORARY MODE – method I

Temporary pressing the button switch triggers the output of the engine for the duration that was previously programmed. Push the programming button located in the centre of the module **10** times. After about 2 seconds the LED indicator will flash **10** times confirming that the function is set.

c) TEMPORARY MODE – method II

Temporary pressing the button switch triggers the output of the engine for the duration that was previously programmed. Additionally, every second pressing of the button issues the "STOP" command. Thanks to this function, when using the double button switch we also have the ability to stop the screen/elevator at any time. Push the programming button located in the centre of the module **11** times. After about 2 seconds the LED indicator will flash **11** times confirming that the function is set.

Caution: We can enter any of the functions at any moment during the module's functioning. If we want to make adjustments to any of the parameters of the module, we can do this without the need to go through the whole procedure of programming.

Technical specifications:

- | | |
|----------------------------|----------------|
| ● power supply | 230V AC |
| ● the maximum current load | 2,5A |
| ● power use on standby | 0,5VA |

Possible ways of controlling the module:

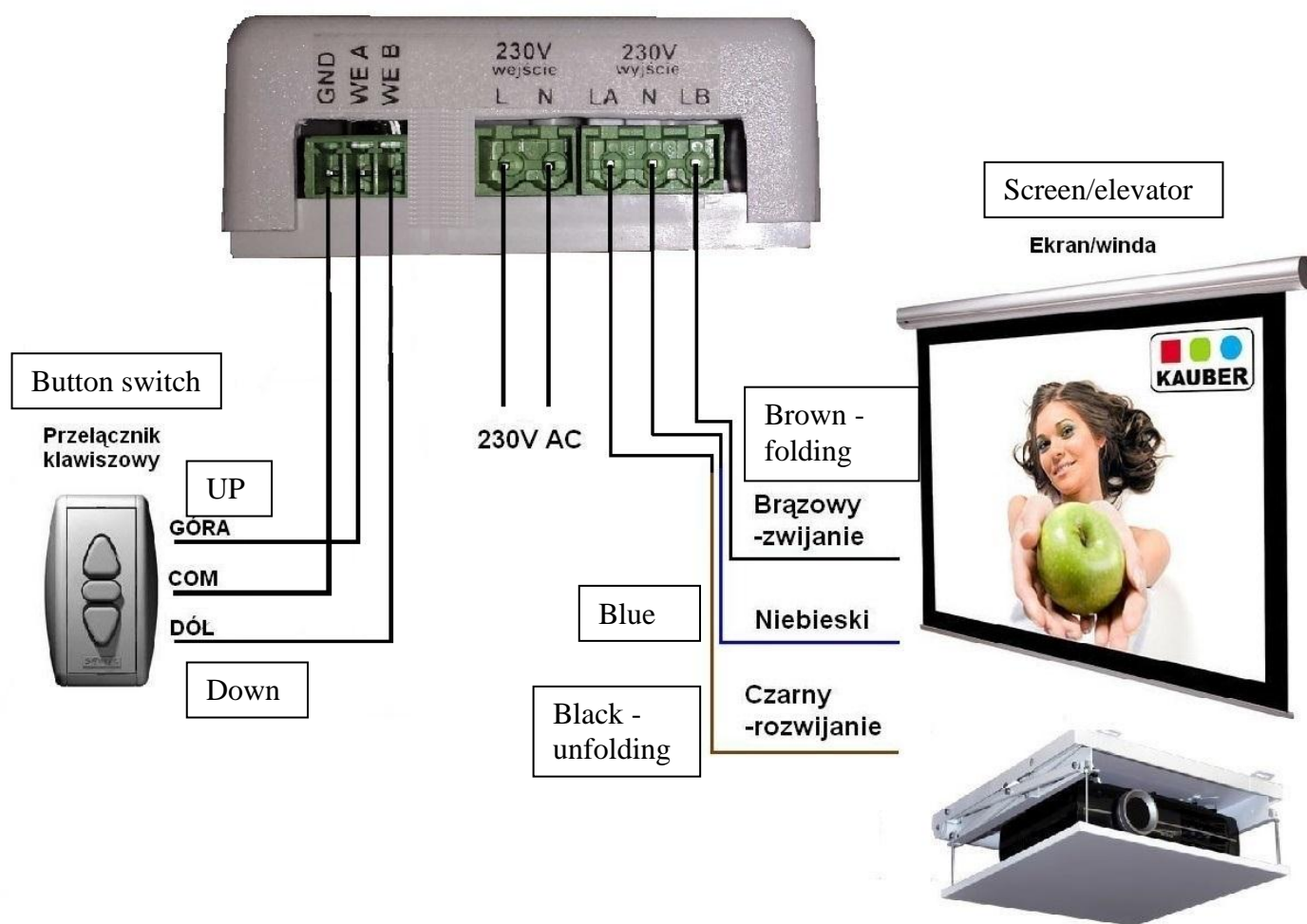
- TRIGGER 12V output
- two-position switch with/without the hold option
- KAUBER remote control

Installation:

Connecting the transmitter:



Connecting the receiver:



Thank you for choosing TRIGGER 12V RF.
We encourage you to purchase other KAUBER devices.