

Details **uniLIGHT** module 8-Kanal PRO (FW 1.1)

Our 8-channel module offers many possibilities in all aspects of model making and can be programmed for nearly every area. Only a windows PC and our free configuration tool is necessary!

Technical Data

	MODUL-2-150-1	MODUL-8-300-1
Receiver side::	4,8-9,6V	4,8-9,6V
Weight (exkl. Cables):	from 6g	from 18g
Dimensions:	40x23x9mm	50x60x8mm
Current per channel:	1,5A bis 30V	3A bis 30V
Maximum current (5s):	1,5A bis 30V	5A bis 30V
Combined load:	3A	10A, 2x5A
galvanish sperated:	YES	YES, 2x
Operation without RC possible:	YES	YES
Soft transition programmable:	NO	YES
Light effects free programmable:	NO	YES
Servo output channels:	NO	2
Servo output channels programmable:	NO	YES
Light effect with various speed:	11	5, programmable
Powerful configuration software:	NO	YES, as download

Connection & programming

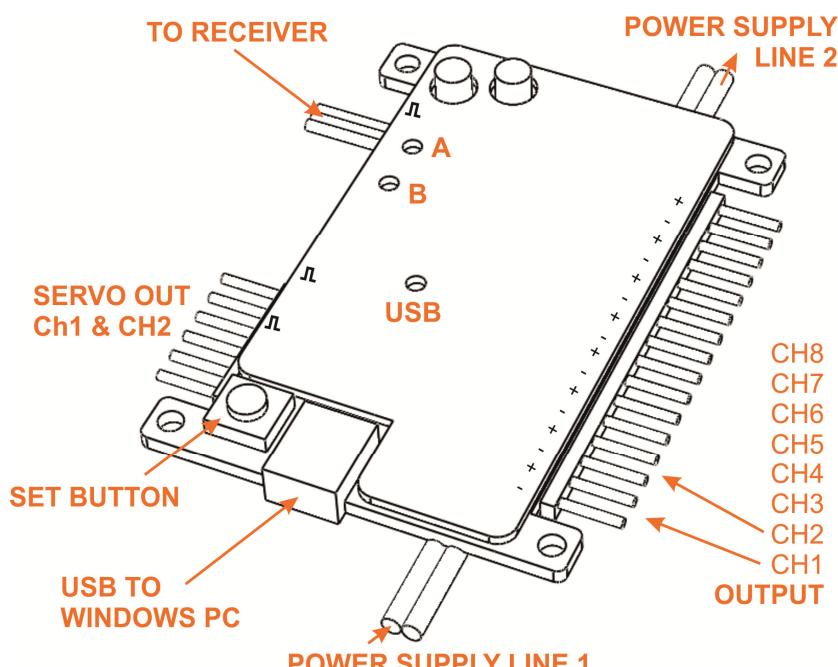
The control module is connected to the receiver channel which is usually set by a 3-step-switch. With many transmitters it is possible to have 5 or even 7 steps via mixer, switch assembly or flight-phasing. The actual programming is done by our free Windows tool.

Status **LED A** shows if there is a light scheme actually selected and running.

Status **LED B** shows if there is a signal from the receiver and steering is working.

Status **LED USB** indicates communication via USB. The controller can be used via USB without receiver but does not get live feedback from the receiver system. During regular operation, the complete USB electronic is inactive and does not interfere with the remote control.

The two **POWER SUPPLY** lines can be operated with different supply voltages and batteries, they are fully galvanish sperated like the receiver side. The power stages are only activated when the receiver is powered up, so there is no need for an extra switch for the power lines. Note that you can combine the positive wire when you want to reduce the amount of wires and connectors.



Initial Setting

To restore initial setting (RESET) of the **uniLIGHT** module, keep SET key pressed and start the receiver power. Keep it pressed for 10 seconds until flashing light becomes permanently -> RESET

Software & basics

The application can be downloaded from our website www.unilight.at. Follow the link to the 8-channel PRO control module. The program is free of charge, allows storage, exchange and configuration of all parameters of the controller. It is very easy to use due to good graphics and very intuitive. With Windows 7&8 there is no special hardware driver disc necessary, it installs itself by the Windows setup function. The program is constantly upgraded and you will be automatically informed about recent updates.

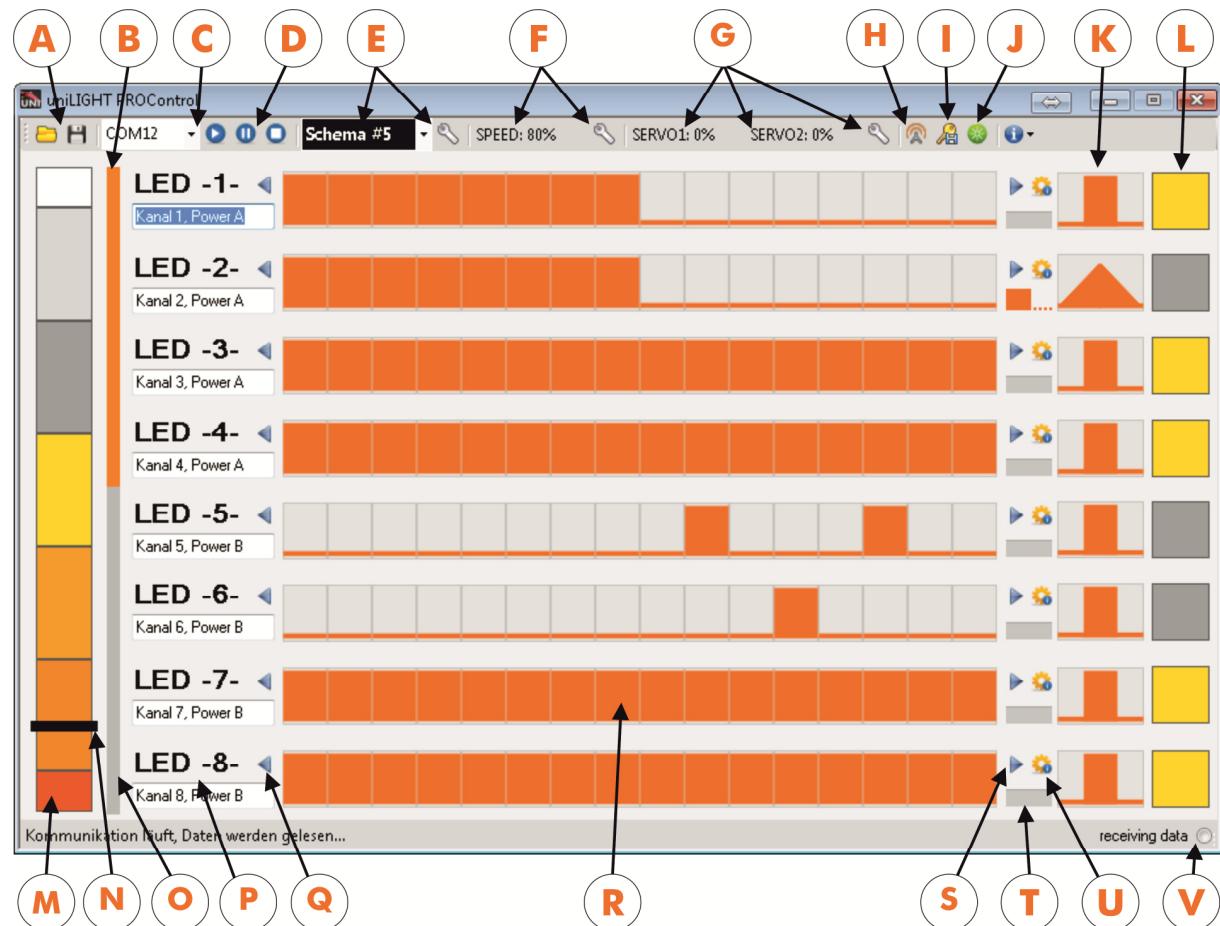
The function works like this: up to 5 light patterns (schemes) can be defined separately and saved in the device. It is clearly defined what each exit has to do, how fast they work and what eventual connected servos have to do. This is easily done by a graphic interface; may it be a flashing sequence, permanent light or all off, everything is possible! An integrated assistant helps you with the most important functions. Finally the steering position of the servo decides about which scheme is performed.

Because the software can also be applied offline (without steering module), there is online and offline operation possible. Online all current parameters and functions are shown, of course it only works with connected controller. In offline modus programming is done. If data changes you are automatically turned to offline and data can be defined.

Once this is done, you can transfer the data with the symbol and test right away.



If you feel ok about the new parameters, they will be saved for good within your controller by pressing the following symbol.



- A** Opening and saving of the current parameters - Saved data can be shared with friends, our support or saved to other controllers as well.
- B** Channel 1-4 in first electric power supply line
- C** Selection of communication port - If the correct port is not already found by starting the program, check parameters in the device manager and add the port manually.
- D** Switches for operating status. "play" stands for online, "pause" means offline mode with connected controller for programming, "stop" shuts down communication completely.
- E** Display and selection of current light scheme - In online mode this value is changed via the remote control – dynamically displayed. If you choose another scheme manually, the system goes offline. The offline operation enables the programming functions.
- F** Speed of signal scheme - To change the setting click on the wrench symbol. Changes are transmitted directly after your confirmation.
- G** Servo position - To change the two servo channel settings click on the wrench symbol beside. Changes are transmitted directly after your confirmation.
- H** Sends the offline realized programming for testing to the controller.
- I** Saves the data in the controller for later, permanent usage.
- J** Re-Initialising of the controller - Permanently saved data is reloaded, testdata (not saved) is deleted.
- K** Transition settings - You can define the rapidity switch at each channel. A soft change over can be used for rotation-, alternation- or just for smooth turn on of the lights to achieve more realism.
- L** Display the light status - They are only correctly shown when light signal is slow to check the function of the power stages from the controller.
- M** Receiver signal span - If steering is online, this space is coloured and shows the servo travel range and the selected light scheme. These areas are changeable with **E**
- N** Servo signal - This bar shows the actual servo position. If steering is operated without receiver the bar is not displayed.
- O** Channel 5-8 in second electric power supply line.
- P** Possibility to define channel names - For better orientation add description here.
- Q** Move-Symbol LEFT - Press here to move a signal pattern to the left.
- R** Main areas for pattern definition – To change anything simply click with the mouse in this area.
- S** Move-Symbol RIGHT - Press here to move a signal pattern to the right.
- T** Asynchronous repeating - Define a light pattern to show only every second cycle. The signal is detached and looks apparently asynchronous to the other signals.
- U** Assistant - Click for assistance for the light pattern design. Create, change, move or copy whole patterns and schemes with one single click.
- V** This dots starts flashing when data is actually transmitted from the steering and means successful communication.