

10-Channel Electronic Switch Module 5+5 No. 8434

- Miniature electronic module for switching 10 different functions via a single R/C channel.
- Each function can be switched on and off separately.
- Switching voltage is up to 30 V with a max. load of 350 mA per channel.
- Each output switches on ground (negative polarity, as common in R/C).
- Requires no modifications on transmitter or receiver. Simply operated via control stick on your transmitter.
- Supply voltage can range 3.0 to 7.5 V corresponding to 4 to 5 cell NiMH pack (fully charged) or BEC (via speed controller).

Connection (see wiring diagram)

- Connect wire lead RX to corresponding channel on receiver. The unit is designed to be operated by a control stick.
- The 10 outputs are designated to the 5+5 connection pins on the switch. Connect to negative polarity of the respective power consumers (lamps etc.).
- Connect positive pole of power consumers directly to positive polarity of battery.
- Connect pin marked with "-" to negative polarity of battery. If power consumers to be switched run on receiver battery power this connection is redundant as this connection already exists internally on board of the switch.
- If inductive loads (motors, relays or similar) are to be switched a free-running diode must be included (see wiring scheme).

Operation

- As soon as receiver power is switched ON neutral stick position is calibrated. During this measurement all outputs are activated shortly. This short blink indicates that the unit is ready for operation.
- By tipping the control stick in one direction (e.g. upwards) actuates the first 5 functions. Tipping the control stick in the opposite direction (e.g. downwards) actuates the second set of 5 functions.
- Each activated channel is switched off by the same procedure.
- After activation of a channel the switch will start to "count" at channel 1. After pausing in neutral position the switch will also start to "count" at channel 1.
- NOTE: If stick is actuated in one direction to channel "6" all 5 channels will be switched OFF. If all of these 5 channels are set to OFF setting to channel "6" will switch all of these channels to ON.
- The "eleventh" output of the 5+5 switch offers steady blinking which is not R/C controlled (if not wanted, just do not connect to lamp, LED or similar).

Example

- Channel 3 is OFF and is to be set to ON:
Push control stick shortly TWICE to upwards (depending on your setup) and hold THIRD time for about a second in upper position until channel 3 is active.
- Channel 3 is ON and is to be set to OFF:
Push control stick shortly TWICE upwards and hold THIRD time for about a second in upper position until channel 3 is inactive.

Possible Failures

- All outputs remain active after switching receiver ON.
Signal received is faulty. Check R/C.

- Certain channels cannot be activated.
Turn receiver OFF. If this is no cure it is likely that one of the drivers on board of the switch has been damaged. Pay attention to free-running diode and maximum load!

- All channels are suddenly OFF but can be reactivated. *Reset due to low voltage. Pay attention to stable power supply!*

WARNING! This item is not a toy and therefore not suitable for persons under 16 years of age. Please adhere to your country's safety guidelines during construction and operation of this item. We are not liable for any personal injury or damage of any kind resulting with the assembly and/or use of our products as we are neither able to delegate nor verify the assembly and/or use of these items. 24 Month Limited Warranty : The manufacturer of this unit warrants this product to be free from defects in material and workmanship for a period of 24 (twenty-four) months from date of purchase. During that period, we will repair or replace, at our option, any unit supplied through us that does not meet these standards. You will be required to provide proof of purchase (receipt or invoice). Defects caused by abuse, misuse, or accident, etc. are not covered under this warranty. Under no circumstances will the purchaser be entitled to consequential or incidental damages. If you attempt to disassemble, modify or repair this unit in any way yourself warranty will be void.

