

OPERATING INSTRUCTIONS

SPEEDSTAR

Micro Speedcontrol

Thank you very much for your trust in our products. Please read these operating instructions carefully, so you can avoid problems in advance. Please also notice the technical data and limits of this speed control printed on the backside of the package.



RS131

INSTALLATION

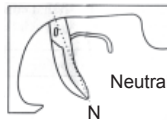
- To avoid radio interference please mount the speedcontrol with a gap of minimum 2cm (3/4") to the receiver and the antenna wire.
- Mount the speed control firmly with double sided tape so that it does not loosen when it gets hot.
- Always use the provided capacitors on the motor to avoid radio interference.

RADIO SETUP

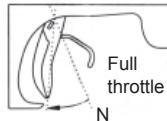
Please make sure that all connections are wired correctly, the speed control is OFF and the radio is in neutral position.

- 1) Switch the radio on, connect the battery to the speedcontrol and then switch the speedcontrol on.

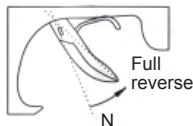
- 2) **NEUTRAL SETTING:** Leave the throttle trigger in the neutral position, press and hold the setup button until the green LED begins to flash then release the button.



- 3) **FULL THROTTLE:** Now move the throttle trigger to the full throttle position. The red LED should now light up. (The motor will not run in the setup process!)



- 4) **FULL REVERSE:** Then move the throttle trigger to the full reverse position. The red and green LED will light up.



- 5) **ABS BRAKE:** Move your throttle trigger back to neutral position. The green LED will flash a view times and then both LEDs will flash alternately.

- a) **Activate ABS brake:** While the LEDs are flashing alternately, move your throttle trigger either to full throttle or to full reverse. Then move it back to neutral position. The red LED will flash to show ABS brake is activated.

- b) **Deactivate ABS brake:** Still let your throttle trigger on neutral position. This will deactivate the ABS brake.

- 6) Now the green LED should light up. Your speed control is ready to run.

- 7) If the motor runs in wrong direction you have to reverse the motor cables.

POWER PROGRAMS

Your SPEEDSTAR2 speed control has 3 factory set power programs. These power programs set a delay on full throttle and avoid spinning wheels on slippery track conditions. If you have high grip conditions and want full power choose the shortest delay.

POWER PROGRAM SETTING:

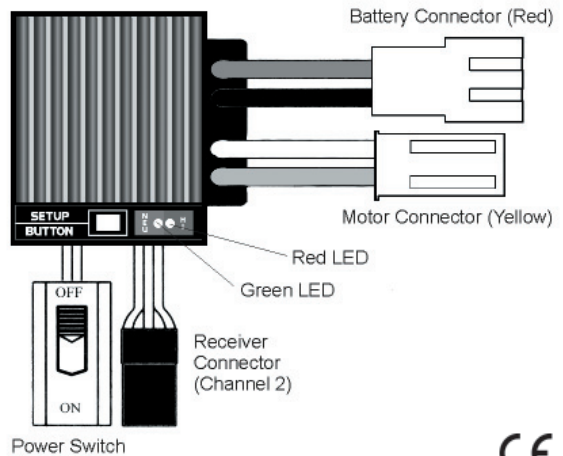
- 1) Leave the throttle trigger of your radio in neutral position. Then press and hold the setup button as long as the **red LED** flashes.

- 2) Release the setup button and choose one of the 3 following settings:

- a) After one second the red LED flashes one time. If you want the power program with **0.09 seconds** delay press the setup button now. This is the factory default setting of the speedcontrol.
- b) After two seconds the red LED will flash 2 times. If you press the setup button now, you choose the power program with a delay of **0.16 seconds**.
- c) After three seconds the red LED will flash 3 times. Press the setup button now, if you want to have the power program with a delay of **0.27 seconds**.

If you don't pressed the button, the speedcontrol begins again with the first point (a).

CONNECTIONS



LIPO-MODE

Your SPEEDSTAR2 speed control has an adjustable undervoltage protection for using it with NiCd/NiMH or with LiPo batteries.

To change the battery setting please follow these steps:

- 1) Leave the throttle trigger of your radio in the neutral position. Then press and hold the setup button until the **red and green LED** flashes.
- 2) Release the setup button and choose one of the 2 following settings:
 - a) After one second both LEDs will flash one time. Press the setup button now to use the setting for **LiPo** batteries.
 - b) After two seconds both LEDs flash two times. Press the setup button now to use the setting for **NiCd/NiMH** batteries. This is the factory default setting of the speed control.

WARNING

- Do not leave your model unsupervised while a battery is connected or it is switched on. The model could come out of control and can cause damage or fire.
- Do not use batteries with more than 7 cells (8,4V).
- Do not connect a battery with reversed polarity as this will damage the speed control. Always use reverse polarity protected connectors and protect all wires from short circuits.
- When the speed control is connected to the motor, do not power the motor with an additional battery. This will damage the speed control!
- Always switch your radio on first and then the speed control. Otherwise the model could come out of control and could cause damage.
- Avoid blocked wheels and motors as this would cause very high currents and heat dispersion.
- After a run the heatsink of your speedcontrol could be very hot. Do not touch the heatsink!
- Not suitable for children under the age of 14. This is not a toy.

SPLASH WATER PROOF

The electronics of your SPEEDSTAR2 speed control have a special coating which makes it resistant against water and dust. While it is water and dust resistant, please avoid excessive water and dust contact as this will lead to failure. If it does come in contact with water please let it dry thoroughly before using it again.

OVERTEMPERATURE PROTECTION

Your SPEEDSTAR2 speed control has a built in overtemperature protection system. This system prevents the speed control from overload and avoids damage to it. If the temperature inside the speedcontrol reaches 100°C (212°F) the protection system switches the motor off and shows its function with both LEDs flashing. When the temperature reaches normal values the speed control will switch back on.