



VELOCI COMPSO ELECTRONIC SPEED CONTROLLER

Product no. #8022



Dear Customer,
Congratulations on choosing one of the best electronic speed controller. We have phased in the latest digital technology in your Veloci Compso speed controller for you to get a excellent performance. Please see the set-up procedure carefully for your installation.

Features

- Using the latest SMD-MOS FETs
- Adjustable to Racing Mode, reverse switch off
- Short protection and safety of full warranty
- Compact size for fits anywhere
- Plug in and drive
- With Real-Time-Braking

Specifications

Product Name	Veloci Compso
Product No.	8022
Voltage range	4.8-8.4V
Internal resistance	0.0045Ω
Momentary Load (1 sec)	50A
Brief Load (30 sec)	30A
Continuous Load (5 min)	20A
Recommended Motor	370 motor 14 turns
BEC Voltage	5V
BEC Current	1A
Frequency	2 KHz
Reverse	YES
Over Load Protection	YES
Setup Procedure	Digital/Push button
Mode Switch (reverse/brake)	YES
Weight	19g
Dimension	26 x 25.6 x 15.6 mm

Precaution

- Before starting your installation of the electronic speed controller, read the instruction manual carefully.
- Make sure if the suppressor capacitors has been soldered to the motor.
- Install the speed control in a position where easy to access all connectors and the set-up button.
- Find a secure location for speed control due to the speed control is not water resistance.
- Do not arrange the speed controller, power cables, receiver or receiver aerial too close. It may cause the interference between any of power system components and receiver aerial.
- If the aerial is too long, cut it down to a length of suitable.
- Please also refer the instructions that supplied with your radio control system.

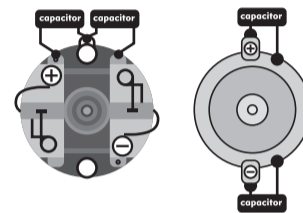
Warning

- Do not leave your R/C model unattended when the battery is connected.
- Always make sure the switch is off unless under adjustment.
- Never touch to water without any protection. The anti-water protection is strongly recommended.
- Never run the motor by connecting a separate battery when the motor is connected to the speed controller.
- Never cut off the original plug, as this invalidates the guarantee.
- Avoid incorrect connections and reverse polarity or it will cause the unit damaged.
- Do not let the output stages (FETs) to touch a metal surface or any wires.
- In order to provide a cooling air over the speed controller, do not wrap it in foil.

Set-up Procedure

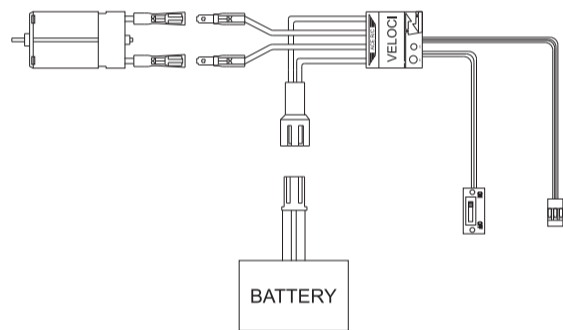
1. Leave the throttle stick to neutral.
2. Connect the speed control to the battery.
3. Power the speed control on .
4. Press the set-up button at least 3 seconds with the plastic screwdriver supplied.
5. The set-up LED now flashes red/green to confirm that the unit is in set-up mode.
6. Leave the throttle stick at neutral and press the set-up button again.
7. The neutral setting is now stored, and the set-up LED lights green.
8. Move the transmitter stick to full-throttle and press the set-up button again.
9. The full-throttle setting is now stored, and the set-up LED lights red.
10. Move the transmitter stick to full brake and press the set-up button again.
11. The brake setting is now stored, and the set-up red/green LED lights simultaneously 3 times.
12. Then the red/green LED lights still.

MOTOR SUPPRESSION



Function check

Function	Position	LED status
Forward	Part-load	Bright green
Forward	Full-throttle	Off
Neutral		Dim green & red
Brake	Part-load	Bright red
Brake	Full brake	Off



CAUTION

Incorrect polarity will damage your speed control and might cause a fire.

It may cause the malfunction if the motor without suppressor capacitors or inadequate suppression.

Do not solder the Schottky diodes in conjunction with a forward/reverse speed control.

Now, your Veloci Compso speed controller is set-up completely and ready to run.

HELPFUL HINT

If you make a mistake during the set-up procedure, don't worry. Disconnect the battery for about 10 seconds and start again from the first step.

* Any service information please contacts your local retailer for further detail. Do not send the defective product directly to the Thunder Tiger Corp.

Service

Thank you for purchasing the Veloci Compso electronic speed controller. Thunder Tiger strives to bring you the highest level of quality and service we can provide. We race and test our products around the world to bring you state-of-the-art items. Thunder Tiger guarantees that you should enjoy many hours of trouble free use from our R/C products.

Thunder Tiger products have been sold worldwide through the authorized distributors that are supported directly and rapidly from Thunder Tiger. You may find that Thunder Tiger is always pursuing to explore new items creatively with highest quality. To update the latest product information and to get the best technical support, please feel free to contact your local hobby shops or Thunder Tiger authorized distributor.

Manufactured by
THUNDER TIGER CORP.
<http://www.thundertiger.com>

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