

Volta Electronic Speed Controller – Operating Instructions

Thank you for purchasing Volta Brushless Electronic Speed Controller (ESC). Volta series ESC is designed for small (indoor, backyard) model airplane. It features super smooth start up and throttle response, strong BEC output. Please note that this product is not a toy and is specified only for adult use. Users of age under 14 should operate under supervision of adults. Please read this manual carefully before using this product for the sake of safety. Nor RC Factory nor your Vendor have any control over the use, installation, application, or maintenance of these products, thus no liability shall be assumed nor accepted for any damages, losses of costs resulting from the use of this item.

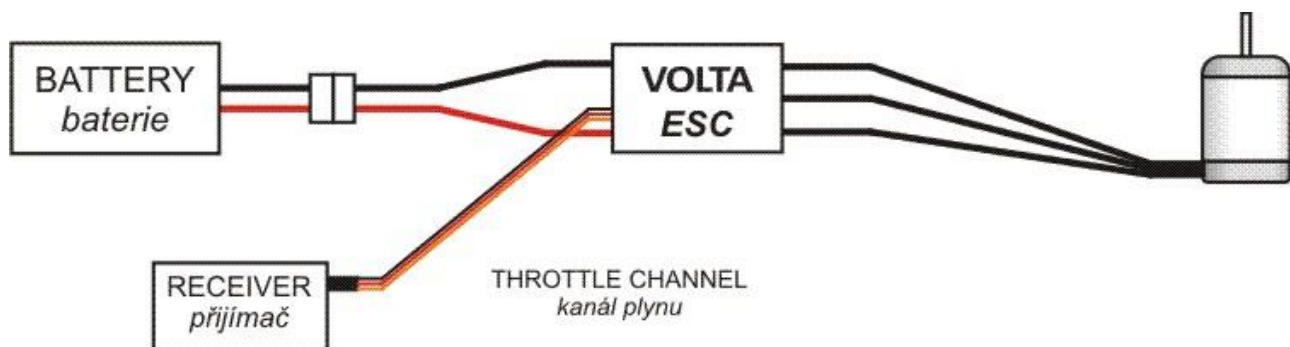
Important Warnings

- ▲ Nor RC Factory nor your Vendor is responsible for your use of this product, or any damage or injuries you may cause as a result of its usage.
- ▲ Always place safety as priority when you use the product
- ▲ An electric motor that is connection with battery pack and ESC may start unexpectedly and cause serious danger. Always treat them with enough respect.
- ▲ We recommend you to remove the propeller when you working on the plane that with power source connected.
- ▲ Observe all local laws when you fly a RC aircraft or other RC vehicles
- ▲ Never fly over others or near crowds.

Wires Connection:

The speed controller can be connected to the motor by soldering directly or with high quality connectors. Always use new connectors, which should be soldered carefully to the cables and insulated with heat shrink tube. The maximum length of the battery pack wires shall be within 6 inches.

- Solder controller to the motor wires.
- Solder appropriate connectors to the battery wires.
- Insulate all solder connectors with heat shrink tubes.
- Plug the "JR" connector into the receiver throttle channel.
- Controller Red and Black wires connects to battery pack Red and Black wires respectively.



Type	Cont.\Burst	Battery cell	Weight	BEC	Size(mm)
	Current(A)	NiXX\Lipo	(g)	Output	W*L*H
Volta 15A SBEC	15A\25A	5-12NC\2-4Lipo o	6.8	5V/2A	14x27x5.5
Volta 30A SBEC	30A\40A	5-12NC\2-4Lipo o	10.8	5V/2.5A	14x27x5.5

Features:

- Super smooth soft start .
- Strong BEC Output with peak of 3A/5V.
- Faster throttle response for easier 3D flying.
- Length 24mm ,width 14mm.
- Minimum weight is only 5.5g (w/o cables) for the lowest possible AUV of your airplane.

Mounting your ESC

1. Choose a location that has good airflow to offer best cooling to prevent overheating. DO NOT cover the side with the flat heat shield with hook and loop tape or any other material as this will greatly lower cooling effectiveness.
2. Mount the ESC with a combination of hook and loop tape or 2-sided foam tape.

THROTTLE CALIBRATION

1. Turn on your radio and keep the throttle stick to the top position.
2. Connect the battery pack to the ESC. Wait for about 2 seconds, the motor will beep for twice, then put the throttle in the minimum position, the motor will also beep, which indicates that your ESC has got the signal range of the throttle from your transmitter.

Using the ESC

- Turn on your radio and keep the throttle stick to the lowest position
- Connect the battery pack to the ESC.
- Motor emits two sets of audible tones in succession means the ESC is armed and ready to use. The first set of tone counting the cells of the battery the second set of means the status of the brake setting.

NOTE : Volta series product can be connected and adjusted with a programming card available at rc-factory.eu.

Volta brand products distributed by RC Factory spol. s r.o., www.rc-factory.eu

Additional information may be found on the product page on the company web.

