

3-Wire (Orange, Red, Brown)

Connect to the flight controller.

# INSTALLATION OF THE ESC

Install the ESC in the model using Velcro tape or double sided tape so that it may not affected by vibration or shock. Make sure the ESC receive plenty of air flow for cooling via cooling hole.

If it is impossible to get sufficient air flow for ESC, please check the temperature rising of the ESC by yourself for secure operation against the mulfunction caused by the over-heating.

#### **Notes on Operation**

- When the signal from the transmitter is not received for approx. 3 seconds, motor stops. When the signal from the receiver is input, motor starts running with the throttle at stop position or brake position.
- ※ Do not connect to the batteries with wrong polarity, or the ESC will be destroyed immediately.
- % If the ESC is connected to the batteries with the throttle high, short beeps start sounding after approx. 10 seconds. In this case, pull down the throttle to the stop position, or disconnect the batteries from the ESC.

# **NORMAL SETTING**

- The OCM series do not require any special setting procedure. Please follow the instruction which come with the flight stabilizer, gyro.
- Pull down the throttle fully and connect the ESC to the batteries.
- "Start sound" mentioned below will sound. If not, adjust the ATV/AFR value.
- First beep sound indicate the number of the Li-po battery's cell. There will be beep sound two times followed by the first beep sound. After beeping, the ESC is ready to start operation.
- If you need to check the operation of the ESC separately with receiver's throttle channel, please set "Reverse" for throttle channel in case of using Futaba transmitter.

#### **∆** WARNINGS

**D** Be sure to connect the ESC to batteries just before the flight and disconnect it right after landing.

**D** When the ESC is connected to batteries, handle the model with utmost attention.

**B** Rotating propeller is very dangerous. Always make sure you are safe and away from the rotating propeller.

Model equipped with a strong motor is very dangerous.

A strong motor system is very dangerous.

Large current may heat leads and batteries.

Be sure to connect leads with utmost care. Poor connection may cause fire and burn.

Fly the model only at permitted airfield. Never fly it over nor near the onlookers. While this ESC is equipped with a safety alarm program, as owner you alone are responsible for safety operation of your motor, ESC and batteries, so act with discretion and care at all times.

## [OCM-3035 SPECIFICATIONS]

Voltage Range	7.4V~34.8V
Maximum Current	35A (180s) (20°C)*
Rated input Current	15A (20°C)*
Internal BEC	None
Advance Timing	Auto
Outside dimension	26mm(W) x 65mm(L) x 13.5mm(H)
Weight	50g ±5g
Power Leads	14 AWG (Heat-resistant 200°C)
Motor Leads	15 AWG (Heat-resistant 200°C)
Motor Connects	φ3.5/14 凹connector

### [OCM-3055HV SPECIFICATIONS]

11.1V~52.2V
55A (180s) (20°C)*
30A (20°C)*
None
Auto
35 mm(W) x 85 mm(L) x 15.5mm(H)
115g±10g
13 AWG (Heat-resistant 200°C)
14 AWG (Heat-resistant 200°C)
φ3.5/14 凹connector

#### [OCM-3075HV SPECIFICATIONS]

Voltage Range	11.1V~52.2V
Maximum Current	75A (180s) (20℃)*
Rated input Current	40A (20°C)*
Internal BEC	None
Advance Timing	Auto
Outside dimension	37mm(W) x 102mm(L) x 15.5mm(H)
Weight	140g±10g
Power Leads	12 AWG (Heat-resistant 200°C)
Motor Leads	13 AWG (Heat-resistant 200°C)
Motor Connects	φ4.0/17 凹connector

#### [OCM-3095HV SPECIFICATIONS]

Voltage Range	11.1V~52.2V
Maximum Current	95A (180s) (20°C)*
Rated input Current	50A (20°C)*
Internal BEC	None
Advance Timing	Auto
Outside dimension	37mm(W) x 102mm(L) x 15.5mm(H)
Weight	140g±10g
Power Leads	12 AWG (Heat-resistant 200°C)
Motor Leads	13 AWG (Heat-resistant 200°C)
Motor Connects	φ4.0/17 凹connector

\*: During ESC operation, in order to maintain a maximum current and rated current, the entire heat sink, the cooling air (wind of propeller etc.), wind speed (5 m/s or higher) is required.

If the environmental temperature is 20  $^\circ\!\!C$  .

The maximum performance limit of ESC greatly changes depending on environmental factors such as air temperature and humidity.

Specifications, design, and contents of the instruction manual of the motorare subject to change without prior notice for improvement.

Please contact e-info@os-engines.co.jp or professional@os-en gines.co.jp for questions and inquiries.

 $igoplus {\bf P}$  Pay careful attention to the advices with the following headings.

#### **A DANGER**

This covers the possibility which might involve death and serous injury.

#### **WARNINGS**

These cover the possibilities which might involve death and serious injury and also may cause damage or injury.

#### **NOTES**

These cover the many other possibilities, generally less obvious source of danger, but which, under certain circumstances, may also cause danger or injury.

#### **Graphic symbols:** $\bigcirc$ ; **Prohibited items** $\bigcirc$ ; **Items never fail to take action**

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