

# Nodia

## A Smart 30A Electronic Speed Controller



Thanks for choosing NODIA series ESC (Electronic Speed Controller) which was produced by advanced technology for high efficiency brushless motors. NODIA abbreviates for “No One Do It Ago”. And it is a innovative design and best performance in ESC fields. We hope it provides you with hours of enjoyment.

### Features :

- Automatic throttle adjustment for using on every transmitter.
- Brake or no-brake setting, suitable for aerodynamics and airplanes.
- Protection : Battery range protection.  
Soft cut-off protection.  
Lost signal protection.

### Specifications :

Application fields : fix-wing airplanes & helicopters

Battery voltage range :

LI-XX = 2 ~ 4 cells; 7.4 V ~ 14.8 V.

NI-XX = 6~ 12 cells; 7.2 V ~ 14.4 V.

Working Current : 30A /40 A surge 15 sec.

Maximum RPM : 2-pole motor / 210,000 rpm..

6-pole motor / 70,000 rpm.

12-pole motor / 35,000 rpm.

Protection :

OHP, Over heat protection.

OVP, Over voltage (battery) protection.

OVP, Low voltage protection (soft cut-off).

BEC current : 2 A.

Ambient temperature : 0°C - 50°C.

Weigh : 21 g.

Size : 36 x 25 x 8 (mm).

### Warning Notes :

- Make absolutely sure positive (+) connects to positive pole of battery and negative (-) connects to negative pole of battery. Or it will damage your ESC and battery.
- Please install the ESC on airy area for dissipating heat.

### Instructions :

- **Throttle adjustment automatically for using on every transmitter. ESC can detect the maximum and minimum range of the throttle PWM signal automatically, it don't need to set manually.**

- Brake setting or no-brake setting can control the aerodynamics to fold the prop.
- Non-Brake setting: switch on transmitter and moving the stick to the top end then connect the battery to this ESC. Wait until 3 short “B-B-B” be heard from the brushless motor, removing the stick to the lowest end. When the setting is ready the alarm sound will be heard.
- Brake setting: switch on the transmitter and move the stick to the top end. Connect battery to this ESC. Wait until 4 short “B-B-B-B” be heard from the brushless motor, then by removing the stick to the lowest end. When the setting is ready the alarm sound will be heard.
- Battery Range Protection when the voltage of the battery pack is lower or higher than the regular range, the alarm status is activated.
- Soft cut-off protection when the voltage of battery pack is lower than the regular range during the flying, throttle will slow down automatically, please land the plane as soon as possible and change the battery in time.
- Lost signal protection : ESC will cut-off automatically and let the plane land slowly when the RX signal is lost or radio interference become severe.

### Warranty :

The manufacturer's guarantee is limited to the replacement of any defective parts or defective in workmanship. This does not include the damage caused by crash, over-loading or improper use. We reserve the right of modify design, appearance and function of the product without notice.