

# **Altun USA C-ACS Series Instruction**

## **READ CAUTIONS AT BOTTOM**

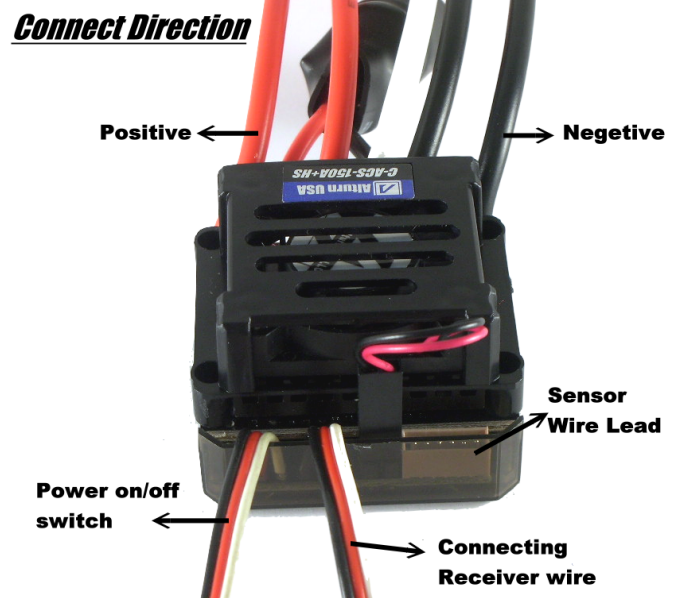
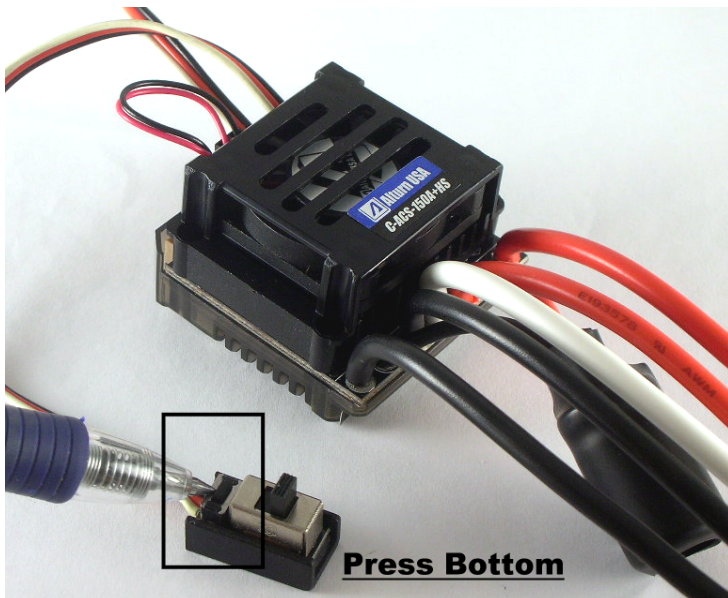
First of usage, please make sure +Positive, - Negative Power solider exactly done and stable.

### **CAUTIONS**

- NEVER reverse the polarity from battery to ESC.
- Futaba transmitters should have throttle channel set to “reverse”.  
Always test the ESC with your transmitter and receiver before actual use.
- When testing, be sure the motor is properly mounted, without any gear box running.
- Be sure to check that no one is using your frequency before running.
- Be sure to switch off the ESC and Disconnect the Battery Pack immediately after your race has ended.

**Initial throttle range setup. Perform throttle range set up before the first use of the ESC**

- 1.0 On transmitter set throttle trim to Zero (centre) & throttle end point adjustment to maximum settings.
- 1.1 Turn on transmitter & leave throttle in Neutral position.



- 1.2 On ESC press SET button then turn on power, wait 4 second until LED light flashes White color then release SET button.
- 1.3 On transmitter move throttle to maximum position, wait about 3 seconds until LED light flashes Blue color and beep sound
- 1.4 On transmitter move throttle to minimum position, wait about 3 seconds until LED light flashes White color and beep sound
- 1.5 On transmitter move throttle to Neutral position, Blue & White LED light will flash about 3 seconds and then beep sound.
- Throttle range on ESC has now been set.

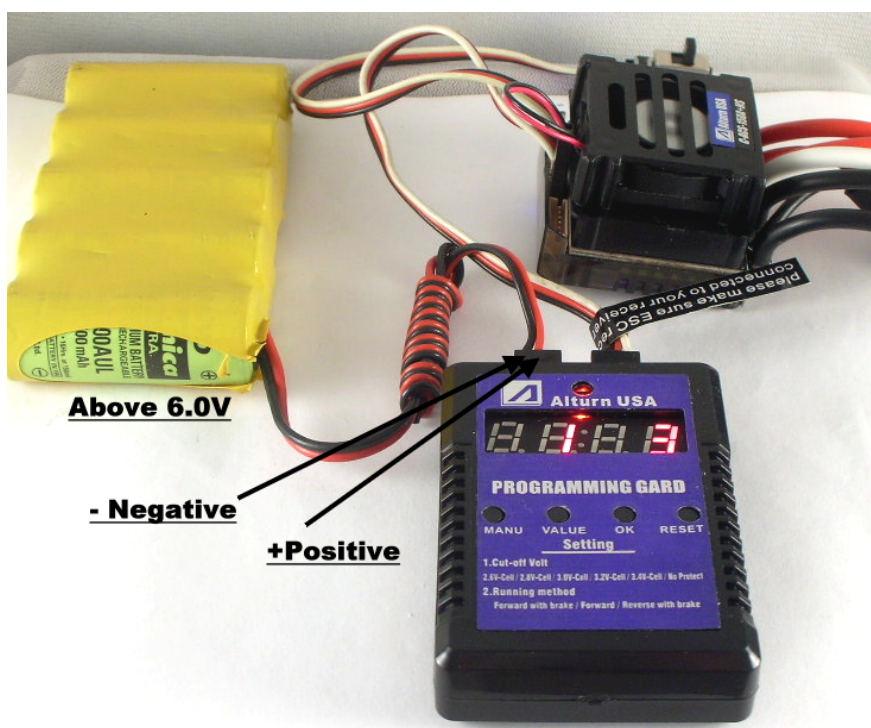


## **2.0 Start using the ESC**

- 2.1 Turn on the transmitter with the throttle stick set at minimum position.
- 2.2 Connect the battery to the ESC. The LED flashes rapidly for 1 second, and then you will hear 2 beeps (1KHZ tone)

confirming minimum throttle position detected. Then you will hear one beep (1 KHZ tone) confirming the ESC is armed and ready. You're ready to racing, if you don't receive the armed confirmation the go to the trouble-shooting section

Programmable Item	Programmable Value								
	1	2	3	4	5	6	7	8	9
<b>Basic Items</b>									
1. Cut-off Volt	2.8V / Cell	3.0V / Cell	3.2V / Cell	3.4V / Cell	3.7V / Cell	No Protect			
2. Running method	Forward with brake	Forward/Reverse with brake							
3. Lead Angle	2 deg	4 deg	6 deg	8 deg	12 deg				
4. Start Up	Low	Middle	High	Peak High					
<b>Advance Items</b>									
5. Throttle Percent Reverse	20%	30%	40%	50%	60%	70%	80%	90%	100%
6. Throttle Limited	0%	20%	30%	40%	50%	60%	70%	80%	90%
7. Initial Brake Force	10%	20%	30%	40%	50%	60%	70%	80%	100%
8. Drag Brake Force	4%	8%	12%	15%	20%	25%	30%		
9. ESC switching frequency	8Khz	16Khz							
10. Neutral Range	2%	3%	4%	5%	6%				



### Warranty

Altair USA brushless speed controllers are fully guaranteed against defects in material or workmanship for 12 months from date of purchase. The warranty does NOT cover damage to reverse-polarity connection of the battery, water or crash damage, nor any other claim not arising from a defect in materials or assembly. **You must contact your selling dealer with details of the problem before making a return.** In most cases, the problem is an issue with radio or controller setup, and can easily be resolved at no expense to you. Controllers returned without notice in which defects are not found will only be returned to the sender at his expense.