Gryphon

AUTO BOOSTER lite

The present product is manufactured to enable various settings according to the purpose of users as a remote-control automatic Glow Igniter. Please read User's Manual carefully and use it in a right way.

Product Specifications

Working voltage : 4.8V to 7.4V
Working current : 20 mA (Waiting state)
650 mA (7.4V at the time of ignition)
Size (mm):10mm(H) x 40mm(W) x 23mm(L)
Weight : 10g (Main body)
20g (Cable included)

Product Characteristics

◆ The Glow Plug can be remotely ignited with a transmitter by using a receiver channel(Gear, AUX, etc.).

◆ The Glow Ignition operation increases engine power rapidly during flight in hard 3 D that a load is applied much to the engine.

◆ Incidents due to a propeller capable of being generated in an engine starting process of a plane can be prevented.

◆ A total of 5 steps' control of plug red-heat intensity is possible according to the battery voltage and the plug kinds of users.

◆ The automatic fuse circuit for prevention of circuit loss and protection of a receiver battery due to a plug terminal short(a short circuit) or abnormal over-current is built-in to improve safety.(If a danger element in a cut-off circuit is removed, it is automatically operating normally.)

◆ The plug ignition can be confirmed through LED and buzzer sound, and the short of the plug can be confirmed through the Plug Check LED.

◆ The plug can be automatically ignited according to the state of a transmitter's specific channel by using program mixing function of the transmitter.

Helicopter: Securing of starting safety by igniting a plug automatically in less than a hovering band(10~30%) or an auto-rotation mode
Airplane: Improvement on low speed characteristics by igniting a plug automatically in a low speed band of a 4 cycle engine

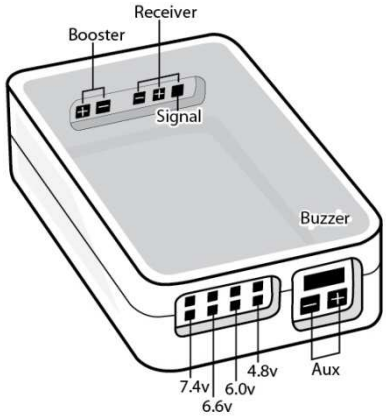
◆ When a plane is crashed to scrubs or the bush, it can show RC search function and is equipped with a connecting terminal(AUX output)) of a separate external large buzzer(85dB: sold separately) for plane passengers in addition to the built-in buzzer.

◆ The external buzzer, LED illumination for flight, a RC switch and others can be used variously according to the purpose of users by using a power supply of the AUX output terminal.

Installation and a use method

1. A jump connector for control of plug ignition intensity of a main body is inserted into corresponding voltage with a tweezers and others to fit to the receiver' voltage of users before it is mounted to the airplane.
Voltage setting is based on voltage supplied to a receiver. The voltage is initially set to be 4.8V at the time of product shipment. When the red-heat intensity of a plug is set to be stronger or weaker than the basic setting value, please insert after moving a jumper connector to be higher or lower than its own voltage connector. If the jumper connector is removed, we can make the red-heat the most brightly.

Attention) If the jumper connector is removed during booster operation, the plug may be burned due to overheating at voltage over 6.0V because it becomes the most bright red-heat state. Users of a power supply over 6V should set a jumper connector in an OFF state of booster operation.



2. Please fit cable polarity to a Gear or an Aux channel of the receiver and then connect it. Please refer to the following table for the terminal polarity.

Brown: - terminal
Red: + terminal
Orange: Signal terminal

3. The JST cable is connected to the plug output terminal, the plug being connected to a crank case part of the engine, and the crocodile clip is connected and fixed to the plug.

Attention) if the crocodile clip is engaged too deeply with the plug head pin, it becomes a short. Please make it engaged with the tip a little.

4. If the Gear or a corresponding channel is operated after a power supply is applied to the receiver, the booster is ignited together with a buzzer and LED. At this time, if switch motion and booster ON/OFF are operated reversely, please make the corresponding channel reverse in reverse setting of the control plane

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