

Burn-Down Device Operation

Welcome to the Aerial Products instruction manual for your Burn-Down device! Following proper procedure is essential for the safety of your balloon. *Please read the entire manual before using your equipment.*

NORMAL OPERATION

*Starting with nothing hooked up to the Burn-Down device, **and the RC transmitter OFF:***

- 1.** Connect a charged battery to your Burn-Down device.
 - (a) Unstrap the Velcro battery strap
 - (b) Place the battery flat against the unit, using the side of the battery with Velcro, against the unit. Strap it on with the Velcro strap.
 - (c) Connect the BLUE EC3 CONNECTOR on the battery to the BLUE EC3 CONNECTOR on the device.
(see FIG. 1)
 - (d) Connect the BLACK ended THREE WIRE servo plug on the battery to the BLACK ended THREE WIRE servo plug from the RC RECEIVER on your Burn-Down device. **(see FIG. 2)**
 - (e) Ensure that:
 - ✓ The Burn Control Board **(see FIG. 3)** has a FLASHING GREEN LED
 - ✓ The RC RECEIVER has no LEDs lit. (If it is flashing red every few seconds, that is acceptable – *it should not have a solid orange LED*)

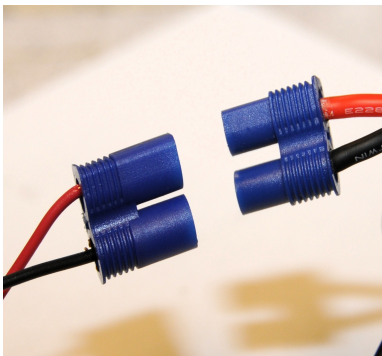


FIG. 1

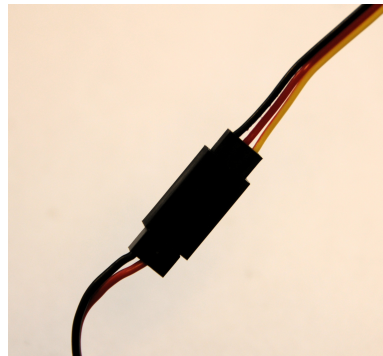


FIG. 2

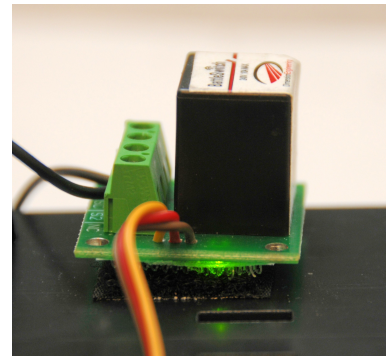


FIG. 3

2. Place your Burn-Down device in the pouch attached to your balloon. (**see FIG. 4**)
3. **Double check that your RC Controller is OFF.** Connect your Burn-Down device to the BURN WIRE on your balloon. This is the RED PLUG (aka Deans Plug – **see FIG. 5**) **YOUR DEVICE IS NOW ARMED.**
4. On your RC Controller, make sure that the switch labeled “TRAINER” is in the UP POSITION (labeled “1” and “SAFE” with an arrow facing up). This switch is found at the top left of the controller, and is also labeled “CH 5” (**see FIG. 6**)
5. To initiate the burn sequence, which commences **IMMEDIATELY**, power on your RC Controller, and **flip the TRAINER switch to the DOWN POSITION** (labeled “0” with an arrow facing down). **Immediately flip the switch back to the UP POSITION to avoid causing unnecessary melting and damage.** The balloon should begin to descend.



FIG. 4

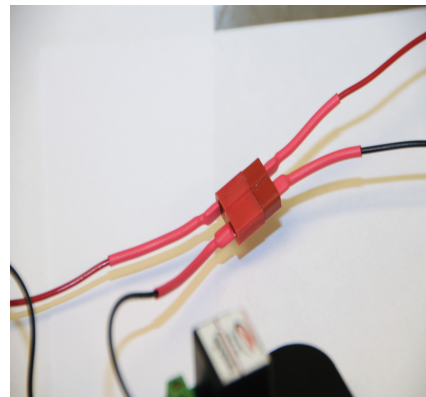


FIG. 5



FIG. 6

TESTING PROCEDURE

1. Follow step **1** from **NORMAL OPERATION**. **DO NOT** place your **Burn-Down** device in the pouch and **DO NOT** connect it to the **Burn Wire** on the balloon.
2. **SKIPPING STEPS 2 & 3** from **NORMAL OPERATION**, make sure that the switch on your RC Controller labeled “TRAINER” is in the UP POSITION. Power on your RC Controller.
3. To test your Burn-Down device, flip the TRAINER switch to the DOWN POSITION. The green LED on the Burn Control Board (see FIG. 3) should be turned on and solid (not blinking). You can hear an audible “click” sound coming from the Burn Control Board when you trigger the device.

