

Caution! The DC-Up is a very powerful device. It stores a tremendous amount of energy. Please be sure to handle RC style connectors with care when DC-Up is charged.

Installation

Installation of the DC-Up is very simple and straight forward. DC-Up will have either 1 or 2 RC style connectors. These connectors are 2 conductor, (only have red and black wires) Plug these connectors into your RX, be careful to observe correct polarity. If you have a DC-Up with 2 connectors, both connectors do NOT need to be plugged into your RX for the unit to operate correctly. If you only have space for 1 connector, strap the extra lead to itself or to the DC-up.

DC-up must be installed down stream of a Regulator, if run on a Lithium Ion or polymer system. Max Voltage is 7.0volts.

DC-Up should be screwed down if possible. Care should be taken to ensure that the DC-Up is not flopping around inside your Aircraft or Helicopter, it may become damaged if not properly secured.

Operation

Turn on your system, you will notice that DC-up will energize very quickly.

Nothing more needs to be done. DC-up is ready to fly. The DC-up has a series of 3 Green LED's and 3 Red or Orange LED's. Green LED's indicate that your DC-up is in good working order and all capacitors are balanced correctly. If you see any of these LED's switch to Red or Orange, please give us a call this means for what ever reason your Capacitors are out of balance.

The Button

You will notice a small button on your DC-up, this button allows you to do 2 different functions with your DC-up.

Function 1.

With DC-up on, press button once. You will observe the blue LED move positions, from the upper blue LED to the Lower blue LED.

Upper Blue LED indicates realtime voltage of your buss, this is the default setting. It will be in this position every time you turn your power system on.

Lower Blue LED indicates voltage capture, this will capture the lowest voltage seen on your buss, during that flight or testing period. DC-up will *not* hold this setting through a power cycle. (if you turn your aircraft off and on LED will come back on in upper position).

Function 2.

Hold down the button for 7 seconds and release. This will send the DC-up into Capacitor Check.

The LED in position 1 (at the top) will be Red or Orange. The 2 digit Voltage display will be reading the independant voltage of position 1 Capacitor. After 5 seconds the screen will scroll by r-2, at which point the Red or Orange LED will move to position 2 (in the middle) and show the independant voltage for capacitor 2, and so on for position 3.

DC-up will stay in Capacitor Check mode until you hold down the button and -erase- scrolls across the screen. At this point release button and all 3 Green LED's will come back on and DC-up will be reading your buss voltage again.

NOTE-When in Capacitor Check mode, all capacitors should be reading the same voltage. If you have your DC-up plugged into a 6.0volt system, all three checks should come in at 2.0volts per capacitor.

Caution NOTE-

DC-up stores a lot of energy, when you turn off your Aircraft, it will stay on as the capacitor bank drains. Fromeco recommends that youTurn off your Aircraft... Leave your Transmitter on and wiggle the sticks to drain your capacitors quickly. Depending on the size of your plane and servo load this could take up to 10 seconds. If you do not do this, and someone on your Freq. turns on their Transmitter, your plane will react to their Transmitter settings. DC-up will self drain after about 90 seconds after which this is not a worry.

Specs.

Capcitanace- 1.6Farad, or 1,600,000 micro Farad.

Max Voltage- 7.0 Volts DC.

Fromeco Scale Avionics LLC® warrants that at the time of shipment and for a period of ninety (90) days thereafter the Product (Fromeco Scale Avionics LLC® DC-Up) shall conform to the functional description contained herein, and shall be free from defects in workmanship. If any defect within this warranty appears, the Purchaser shall notify FROMECO immediately. Buyer's sole and exclusive remedy in the event of a defect is expressly limited to (at Fromeco Scale Avionics LLC® sole election) correction of the defect by replacement or issuance of credit in the amount of the price of the Product, for any Product which proves defective within the above warranty. The foregoing warranties are the sole and exclusive warranties made by Fromeco Scale Avionics LLC®. THESE WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. In no event shall Fromeco Scale Avionics LLC® be liable to Purchaser, end user, or any other party or individual for any incidental, special or consequential damages of any nature that are or could be attributable to the product. Fromeco Scale Avionics LLC® maximum liability shall not exceed the purchase price of the Product under this agreement. Use of the Product by Purchaser shall constitute Purchaser's acceptance of these terms.