

Step 0 <Step 0> Change Settings: units, comms, operations

Step 1

- $\frac{1}{1000}$ th of Second (always 3 digits)
- Whole Seconds (no decimals)
- Trigger 'No Later Than'
- Start Charging at Power-on (for very short time delays)
- Trigger 'No Sooner Than'
- See device label for X-Y-Z orientation

Step 2

- Countdown Timer
- Impacts, Shocks, Spins
- Altitude
- Airspeed
- Remote Control
- Select if weather data is unknown or fast changing
- May select if know at least *Barometer and Field Elevation*
- Also known as aircraft *Altimeter Setting* (not field pressure)
- Important for 'Airspeed' via differential pressure
- Select if know a lot of data (Ex. weather balloon)
- Enter atmosphere data here

Step 3

- Always above Mean Sea Level (never AGL)
- Trigger at or below altitude
- Airspeed via pitot-static probe (not descent speed)
- Status bar: *Connect* to update (see Step 1)

EID Mission Control

File Device Tools Help

Time Delay Parameters

Seconds: 6 Milliseconds: 123

Enable As Primary Or Backup
 Enable PreCharge
 Enable As Sensor Lockout Only

Acceleration Parameters

X-Axis Magnitude ≥ + 4 G's
 -
 Y-Axis Magnitude ≥ + 5.0 G's
 -
 Z-Axis Magnitude ≥ + 6.7 G's
 -

Absolute Pressure Parameters

Pressure ≥ 997.4932 mbar
 Altitude ≤ 433 feet MSL

Differential Pressure Parameters

Pressure Magnitude ≥ + 518.4 PSF
 -
 Speed (at 0 feet MSL) ≥ 661 ft/s

INITIATION TRIGGER MODES

Enable Time Delay
 Enable Initiation by Acceleration
 Enable Initiation by Absolute Pressure
 Enable Initiation by Differential Pressure
 Enable Initiation by Wireless Receiver

Atmospheric Conditions

Standard Day
 Measured

Conditions at Ground Level


Barometer: 29.92126 in Hg
 Field Elevation: 433 feet MSL
 Temperature: 108 °F
 Dew Point: 32 °F
 Air Density: 0.002133 slugs/ft³

Conditions at Altitude

Standard Lapse Rate
 Altitude: 0 feet MSL
 Temperature: 59 °F
 Air Density: 0.0023715 slugs/ft³

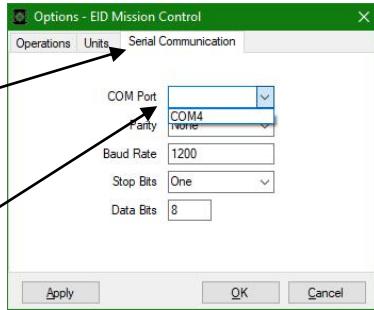
Data Table Look-up Edit Table

Connected | EID Serial Number: 21618327

Tools menu ... Options 
Options window

Communications tab

Change COM port only
 (EID port appears in list after
 USB plugged-in to computer)



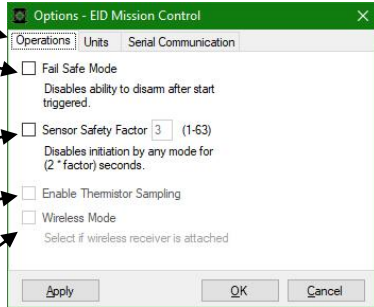
Operations tab

After EID pull-tab activated,
 power button does nothing

Ignore all triggers
 for multiples of 2 seconds
 (min. time 2-6 seconds)

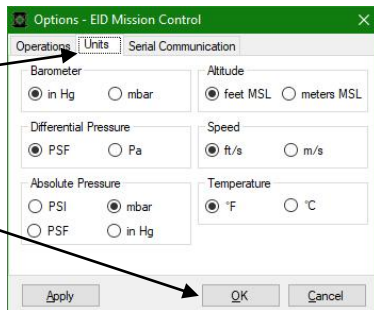
Legacy option


Allow wireless trigger mode
 (add'l hardware required)



Units tab

OK to confirm settings
 (verify values on main screen)



Device menu ... Send 
Sending to EID window

Time Delay value

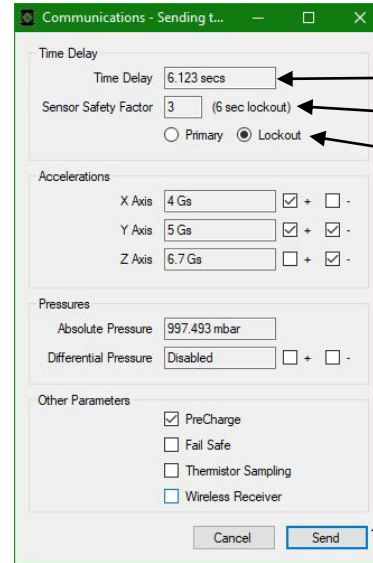
Lockout Accelerations, Pressures, Wireless


Time Delay function

Acceleration values and direction

Pressure values

Send to confirm values, or
 Cancel to make changes



Device menu ... Receive 
Receiving from EID window

Which triggers were met, or indicates:
 no fire, programmed values, or live sample

Time from pull-tab until fired

Voltage sent to cutter

Acceleration and Pressure values when fired
 (displayed only if enabled as a trigger)

Checkboxes indicate as programmed

Voltage at last power-on
 (USB voltage for *Live Sample*)

Save this information in a text file

OK to close this window

