

**SOFTWARE SETUP**

Simstarter NG Profile : Delta VATSIM

**CABIN**

Pilot Tube Cover : REMOVE

Pilot's Operating Handbook : AVAILABLE

Airplane Weight and Balance : CHECKED

Parking Brake : SET

Control Wheel Lock : REMOVE

Ignition Switch : OFF

Avionics Master Switch : OFF

Master Switch : ON

Fuel Quantity Indicators : CHECK

Avionics Master Switch : OFF

Static Pressure Alternative Source Valve : OFF

Annunciator Panel Switch: TEST

Fuel Selector Valve : BOTH

Fuel Shutoff Valve : ON

Flaps : EXTEND

Pitot Heat : ON

Pitot Heat : OFF

Master Switch : OFF

Elevator Trim : SET FOR TAKEOFF

Baggage Door : CHECK

Aitopilot Static Source Opening : CHECK

**BEFORE STARTING ENGINE**

Preflight Inspection : COMPLETE

Passenger Briefing : COMPLETE

Seats and Seat Belts : ADJUST and LOCK

Brakes : TEST and SET

Circuit Breakers : CHECK IN

Electrical Equipment : OFF

Avionics Master Switch : OFF

Fuel Selector Valve : BOTH

Fuel Shutoff Valve : ON

Avionics Circuit Breakers : CHECK IN

**BATTERY ENGINE START**

Throttle : OPEN 1/4 INCH

Mixture : IDLE CUTOFF

Propeller Area : CLEAR

Master Switch : ON

Flashing Beacon : ON

Auxiliary Fuel Pump : ON

Mixture : FULL RICH UNTIL STABLE FUEL FLOW

Auxiliary Fuel Pump : OFF

Ignition : START

Mixture : ADVANCE SMOOTHLY TO RICH

Oil Pressure : CHECK

Navigation Lights : AS REQUIRED

Electrical System : CHECK

– Master Switch : OFF

– Taxi and Landing Light Switches : ON

– Engine RPM : REDUCE

– Master Switch : ON

– Engine RPM : INCREASE

– Ammeter and Low Voltage Annunciator : CHECK

Avionics Master Switch : ON

Radios : ON

Flaps : RETRACT

Mixture : LEAN

**BEFORE TAKEOFF**

Parking Brake : SET

Seat Backs : UPRIGHT

Seat and Seat Belts : CHECK SECURE

Cabin Doors : CLOSED AND LOCKED

Flight Controls : FREE AND CORRECT

Fuel Quantity : CHECK

Mixture : RICH

Fuel Selector Valve : RECHECK BOTH

Throttle : 1800 RPM

– Magnetos : CHECK

– Vacuum Gauge : CHECK

– Engine Instruments and Ammeter : CHECK

Annunciator Panel : CHECK

Throttle : CHECK IDLE

Throttle : 1000 RPM OR LESS

Throttle Friction Lock : ADJUST

Strobe Lights : AS DESIRED

Radio and Avionics : SET

NAV/GPS Switch : SET

Autopilot : OFF

Elevator Trim : SET FOR T/O

Flaps : SET FOR T/O

Brakes : RELEASE

**NORMAL TAKEOFF**

Flaps : 0–10

Throttle : FULL OPEN

Mixture : RICH

At 55 KIAS, ROTATE

Climb Speed : 70–80 KIAS

Flaps : RETRACT

**SHORT FIELD TAKEOFF**

Flaps : 10

Brakes : APPLY

Throttle : FULL OPEN

Mixture : RICH

Brakes : RELEASE

Elevator : TAIL LOW

Climb Speed : 57 KIAS UNTIL OBSTACLES CLEARED

Flaps : RETRACT at 60 KIAS

**ENROUTE CLIMB**

Airspeed : 70–85 KIAS

Throttle : FULL OPEN

Mixture : LEAN ABOVE 3000' MSL

**CRUISE**

Power : 2000–2400 RPM

Mixture : LEAN

**DESCENT**

Power : AS DESIRED  
Mixture : ADJUST  
Altimeter : SET  
NAV/GPS switch : SET  
Fuel Selector Valve : BOTH  
Flaps : AS DESIRED  
– 0–10 below 110 KIAS  
– 10–30 below 85 KIAS

**BEFORE LANDING**

Seat Backs : UPRIGHT  
Fuel Selector Valve : BOTH  
Mixture : RICH  
Landing/Taxi Lights : ON  
Autopilot : OFF

**NORMAL LANDING**

Airspeed : 65–75 KIAS (Flaps Up)  
Flaps : AS DESIRED  
– 0–10 below 110 KIAS  
– 10–30 below 85 KIAS  
Airspeed : 60–70 KIAS (Flaps Down)  
Touchdown : MAIN WHEELS FIRST  
Landing Roll : LOWER NOSE WHEEL GENTLY  
Braking : MINIMUM REQUIRED

**SHORT FIELD LANDING**

Airspeed : 65–75 KIAS (Flaps Up)  
Flaps : FULL DOWN  
Airspeed : 62 KIAS  
Power : IDLE AFTER CLEARING OBSTACLE  
Touchdown : MAIN WHEELS FIRST  
Landing Roll : LOWER NOSE WHEEL GENTLY  
Braking : APPLY HEAVILY  
Flaps : RETRACT

**BALKED LANDING**

Throttle : FULL OPEN  
Flaps : RETRACT TO 20  
Climb Speed : 55 KIAS  
FLAPS: 10 UNTIL OBSTACLES CLEARED  
FLAPS: RETRACT AT 60 KIAS

**AFTER LANDING**

Flaps : UP

**SECURING AIRPLANE**

Parking Brake : SET  
Electrical Equipment : OFF  
Autopilot : OFF  
Avionics Master Switch : OFF  
Mixture : IDLE CUT OFF  
Ignition Switch : OFF  
Master Switch : OFF  
Control Lock : INSTALL  
Fuel Selector Valve : LEFT or RIGHT