



iGATE G500 Piston Series

The ELITE iGATE G500 series (G501 and G502) are the ELITE technically advanced piston aircraft training devices that cover simple, complex and twin engine piston categories of aircraft. They are available in single pilot (G501) or dual pilot (G502) configurations; cockpit or desktop configurations; and quick change multiple aircraft configurations as well. Fly up to 8 different aircraft on one trainer. The G500 series of iGATE trainers are also available with dynamic control loaded flight controls, variable external display selections and fields of view and instrumentation. Fly with DGs, HSI or EFIS systems and OEM Garmin GNS 430W, 530W, GTN 650 or 750 navigation equipment. Wireless support for popular iPad flight planning apps by companies such as ForeFlight come as a standard feature. Cable support for other applications such as JeppView and hand-held GPS devices are also available. This advanced trainer is FAA approved for instrument, commercial, ATP and even Private rating flying credits. It is the flexibility, quality, fidelity and affordable price that gives the iGATE G500 piston series trainers the best “benefit-to-cost ratio” in its class.

Choose desktop or spacious hard shell cabin, single or dual controls, large multi-screen LCD visual displays with over 24,000 airports world-wide, OEM avionics and dynamic control loading. The ELITE iGATE G500 piston series trainers offer unmatched utility, quality, versatility and fidelity to suit any training program, business plan and budget.



AVIONICS, INSTRUMENTATION, & HARDWARE

- Single or dual flight controls
- Cockpit or desktop configuration
- Two aircraft included with each training device
- Optional add-on aircraft: C172, C172RG, C182, Piper Archer, Arrow IV, Seneca III, Bonanza A36, Baron 58, Dutchess 76 and King Air
- Bendix King-style Silver Crown Avionics (HSI & DG versions)
- Toe brakes with proportional toe braking
- Options available:
 - EFIS navigation system
 - OEM Garmin G1000, 430, 530, 650 or 750 nav systems
 - Dynamic control-loaded flight controls (single & dual)
 - Active circuit breakers
 - Center console with manual trim wheel, rudder and aileron trim

NAVIGATION, SCENERY DATA, & WEATHER MODELS

- World-wide navigation data
- Enhanced visual scenery with over 22,000 airports
- Dynamic weather models (clouds, winds, turbulence & icing)
- Visible precipitation (rain and snow)
- Air, ground and sea traffic
- International GPS and terrain database
- Virtual airport facility directory
- Tablet WIFI connectivity for popular flight planning apps



FAA Approved Advanced Aviation Training Device

The ELITE iGATE G500 series aircraft training devices for simple, complex and twin engine piston training offers the most flexible, versatile and expandable advanced aviation training devices available. Precise aerodynamic modeling, quality hardware, and profusion of options at an affordable price makes the iGATE G501 or G502 your best training solution for students and investment for profitability.

EMERGENCY PROCEDURES TRAINING

- Gear and flap failure
- Engine power loss and partial power loss
- Static, pitot and electrical systems failure
- Instrument failures
- Accurately modeled insidious failure behavior
- “Pop-able” circuit breaker (when equipped)
- Immediate, gradual, timed or random failures
- Malfunction scenarios can be created & saved



MAPPING AND EVALUATION

- Instructor / Operator Station (IOS) moving map
- Plan, profile, and extended profile views
- Flight data recorder with DVD-style replay
- Transponder, heading & altitude map read-out
- Current “Spot WX” METAR displayed
- “Click-and-drag” or Identifier aircraft repositioning
- Route and waypoint plotter
- GPS flight plan tracking
- Scenario save and load states

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