



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

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



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

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



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.

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