VIRTUAL-FLY / FAA AATD

DUO PRO A

Beechcraft Baron G58 Multi-Engine AATD · Analog Panel

Dual-cockpit analog mastery for advanced pilot training.

THE FAA AATD MULTI-ENGINE SIMULATOR

One analog panel. FAA-loggable hours.

An FAA-certified Advanced Aviation Training Device that replicates the Beechcraft Baron G58 analogue cockpit with precision — the only configuration in which FAA hours are loggable. An expanded aircraft compatibility package is available to also practice Cessna 172SP, Cessna 182RG, Diamond DA40, Diamond DA42, and King Air 350 procedures.

01

Log FAA AATD hours

Train and log hours as an FAA Advanced Aviation Training Device — loggable specifically in the Beechcraft Baron G58 configuration.

02

225° immersive visual system

Five 32-inch high-resolution screens for a 225-degree field of view, with an enclosed-cabin option for full immersion.

03

Two seats, full dual controls

Two YOKO+ yokes and two RUDDO+ rudder pedals, so instructor and student — or two students — fly side by side.

WHAT FAA AATD CERTIFICATION UNLOCKS

Six ways it pays for your school.

Versatile, loggable training

Log hours toward Private Pilot, Instrument Rating, Commercial Pilot License, and ATP — one device across the full syllabus.

Instrument currency & proficiency

Maintain instrument currency and complete Instrument Proficiency Checks without booking the aircraft.

Lower cost per training hour

AATD training is more affordable than the real aircraft — accessible for both pilots and the school.

High-fidelity realism

A realistic simulation that closely mirrors real aircraft performance, so training quality holds up.

Train through any weather

Fly the syllabus when the aircraft can't — any weather, any time, fully flexible scheduling.

Higher ROI for your fleet

AATD-certified simulators support enrollment and higher rental rates — stronger revenue and ROI.

LOGGABLE CREDIT BY CERTIFICATE

FAA AATD APPROVED

Approved sim hours toward every rating.

Both | Part 61 | Part 141

CERTIFICATE / TASK	PART 61	PART 141
Private Pilot (PPL)	2.5	5.25
Instrument Rating (IR)	20	14
Combined PPL & IR	20	17.5
Commercial Pilot (CPL)	50	24
Flight Instructor (CFI)	—	1.25
Instrument Instructor (CFI-I)	—	0.75
Airline Transport (ATP)	25	6.25
Instrument Currency	✓	✓
Instrument Proficiency Check	✓	✓

Per FAA Letter of Authorization (LOA), effective 8 Apr 2024, expires 30 Apr 2029. Loggable specifically in the Beechcraft Baron G58 configuration. Maximum AATD hours creditable per certificate — actual credit per your school's FAA LOA. ✓ = device approved for the task.

COMPLETE SYSTEMS MODELLING

Every switch, modelled for the Baron.

An optional expanded aircraft compatibility package adds Cessna 172SP, Cessna 182RG, Diamond DA40, Diamond DA42, and King Air 350 configurations to the same panel.

01

Lights, anti-ice & electrical

Beacon, landing, taxi, navigation and strobe lights; boot, prop, surface and windshield de-ice; 5-position ignition switches, master battery, master avionics, and dual alternators.

02

Standby gauges

Independent airspeed, attitude, and altitude standby gauges, mirrored for both seats.

03

Every other system

Dual fuel pumps, pitot heat, prop sync, flaps, landing gear, parking brake, and Hobbs meter.

SECTION 02 — FIDELITY

A multi-engine cockpit built to procedural accuracy.

Independent ignition, electrical, and anti-ice controls for both engines — the same multi-engine scan your students carry straight into the Baron G58.

INSTRUCTOR STATION

One laptop. Every scenario, in real time.

VISPRO instructor software runs from a touchscreen laptop, alongside dedicated crew communication and cabin monitoring.

- **Real-time weather & repositioning**
  Change weather layers, cloud coverage, icing, and visibility, or reposition the aircraft to any location — instantly.
- **Failures on demand**
  Arm avionics and systems malfunctions from the instructor station for repeatable, gradable scenarios.
- **Flight plans, fuel & playback**
  Load flight plans and fuel states, then record and play back the session for debrief.

VISPRO Virtual Instructor Station

GPS & RADIOSTACK AVIONICS

Full GPS, autopilot, and radiostack.

- **GPS navigation & autopilot**
  A full GPS moving map with an autopilot mode panel — heading, vertical speed, and altitude — for real-world IFR flight planning.
- **Complete radiostack**
  Dual COMM, NAV, DME, ADF and XPDR modules — the full analog radio stack, switch for switch.
- **Standby gauges**
  Independent airspeed, attitude, and altitude standby gauges, mirrored for both seats.

GPS & radiostack · DUO PRO A

PROFESSIONAL FLIGHT CONTROLS

Every control matches the real aircraft.

2X YOKO+

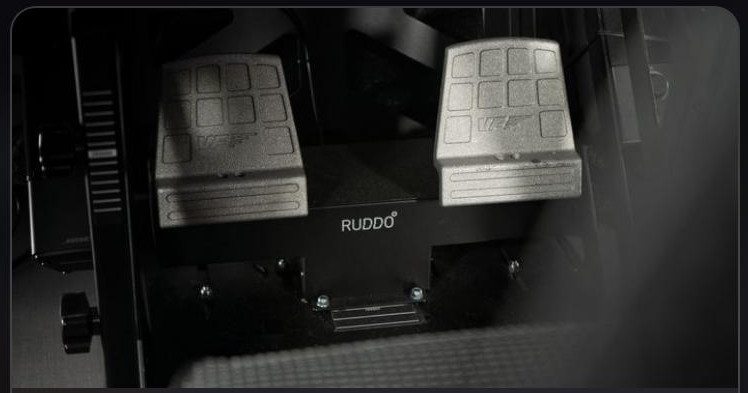
Dual metal aircraft yokes

Metallic construction, 144 mm of push-pull travel on the pitch axis, and hall-effect sensors — one fully functional yoke per seat.

TQ6+

Dual-power throttle quadrant

Independent throttle, prop, and mixture levers for both engines, with adjustable resistance on every lever.



2X RUDDO+

Dual rudder pedals w/ diff. brakes

Pressure sensors on the differential brakes for authentic rudder and braking feel — one set per seat.

TRUSTED BY FLIGHT SCHOOLS AND UNIVERSITIES

Middle Tennessee State University | **Cypress College** | **Mercer County Community College** | **EAA**

> *MTSU University has a large fleet of aircraft and therefore we needed an affordable multi-engine simulator. After searching different options we concluded that Virtual Fly was the best quality-price option.*

MTSU Representative
Middle Tennessee State University

> *We needed a flight sim lab to continue the quality education we offer, and these certified devices were exactly what the university was looking for.*

Ed Valdez
Airliner Pilot & Aviation Program Director, Cypress College

TAILORED TO YOUR FLIGHT SCHOOL

A device built for your syllabus.

Built for daily use

Heavy-duty metal hardware and a mirrored analog panel — engineered for a school's busiest multi-engine training day.

12-week lead time

Ships fully assembled with factory quality control — plan for roughly 2.4 m of clearance to get it through your door.

3-year warranty

Full 3-year warranty backed by a dedicated support team.

Mon–Fri support, weekend on request

Most issues solved in under an hour by remote connection; weekend coverage available on request.

Let's build the right configuration for your fleet.

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