

A320 systems guide

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Flight Control Systems of the Airbus A320**

The A320 features the following flight control systems:

- **Fly-by-wire** system utilizes electronic signals to control the aircraft's flight surfaces, eliminating the need for direct mechanical connections.
- **Sidesticks** replace traditional control yokes, providing pilots with more precise and ergonomic control.
- **Autothrottle** automatically adjusts engine thrust to maintain a desired speed or flight level.
- **Autopilot** can control the aircraft's pitch, roll, and altitude, reducing pilot workload.

Guidance Systems of the A320

The A320 can utilize the following guidance systems:

- **Inertial Reference Unit (IRU)** provides the aircraft with orientation and position data.
- **Global Positioning System (GPS)** determines aircraft position and ground speed.

Best App for A320 Type Rating

- **Airbus A320 Type Rating App** by FlyBy

Braking System of the A320

The A320 employs a hydraulic braking system with the following components:

- **Wheel brakes** located on each wheel apply friction to slow or stop the aircraft.
- **Anti-lock brakes** prevent wheels from locking, ensuring directional stability during braking.
- **Autobrakes** can automatically apply the brakes to a set level of deceleration.

4 Main Flight Controls

The primary aircraft controls for flying an aircraft are:

- Rudder
- Elevator
- Ailerons
- Throttle

TCAS on the A320

Yes, the A320 is equipped with the Traffic Collision Avoidance System (TCAS), which alerts pilots to potential conflicts with other aircraft.

Three Hydraulic Systems of the A320

- Blue System
- Green System
- Yellow System

FLS Landing System

The Flight Path Logic System (FLS) provides enhanced landing guidance capabilities, assisting pilots in achieving accurate and stable approaches.

FLS in Airbus

FLS stands for Flight Level Synchronization.

ATC in A320

ATC refers to Air Traffic Control, which provides instructions and guidance to aircraft during takeoff, approach, and landing.

5 Modes of GPWS A320

The Ground Proximity Warning System (GPWS) has five modes:

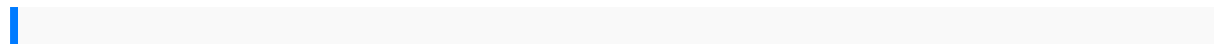
- Glide slope
- Terrain
- Excessive Bank/Roll
- Excessive Descent
- Terrain Awareness/Warning

Three Hydraulic Systems of the A320

See above.

Flight Warning System on the A320

The Traffic Alert and Collision Avoidance System (TCAS) is the primary flight warning system on the A320, issuing alerts in the event of potential aircraft conflicts.



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