



OVERDRIVE INTERACTIVE

AIRBUS A320 · CIDS · FAP

A320 FAP Simulator

Feature Sources & A320 Conformance Report



Simulator version 3.9 · Report date 12 October 2026

Where every feature of the simulator comes from, and whether it matches the real Airbus A320 CIDS Flight Attendant Panel.

Based on public technical and training sources, not on official Airbus documents.

Purpose and How to Read This Report

This report lists every function of the A320 FAP Simulator, the source it was built from, and how closely it follows the real Airbus A320 Cabin Intercommunication Data System (CIDS) Flight Attendant Panel (FAP).

Status labels

Label	Meaning
MATCHES	Behaves like the real A320 FAP, confirmed by at least one technical or training source.
SIMPLIFIED	The function exists on the real FAP, but the simulator shows a simplified or typical version (for example a fixed list, fewer options, or values that differ between airlines).
TRAINER	Not a FAP function. Dashed TRAINER boxes let the instructor simulate what happens away from the panel (cockpit, doors, lavatory, passengers).
SIMULATOR	Part of the app only (license, demo, settings, simulator options). Not on the aircraft.
NOT INCLUDED	A real A320 function that the simulator does not reproduce (Section 06).

Important limits

SECONDARY SOURCES

Official Airbus manuals (FCOM, CCOM, AMM) are restricted to operators. This report relies on public technical notes, training material and Airbus publications. Every A320 is configured by its airline through the CAM (Cabin Assignment Module), so layouts, lighting scenarios, announcements, access codes and levels can differ from aircraft to aircraft. Always follow your airline's cabin crew manual.

Source numbers in square brackets, for example [4], refer to the list in Section 08.

Where the Features Came From

The simulator was built in stages. Each stage used a different kind of source:

Stage	Source	What it gave
1. First version	Original project brief [1] and a photo of a real A320 FAP [2]	Screen layout, colors, Cabin Lighting page, page tabs, Doors/Slides, Audio/PRAM, Water/Waste, hard-key strip.
2. Check against the real A320	Technical notes and training sources [4]–[19]	Corrections where the brief differed from the real CIDS (Section 05), and missing functions: PED POWER, FAP RESET, SMOKE RESET on the page, CHIME INHIB, emergency call chime, CAPT / CAPT & PURS selector, cockpit EVAC, low cabin pressure.
3. Full page set (v3.0)	Reference screenshots of an Airbus-style FAP trainer [3], checked against the A320 CIDS document [4]	Second row of pages: Cabin Programming, Layout Selection, Level Adjustment, Software Loading, FAP Set-Up; Seat Settings; Cabin Status; BGM channels; PRAM MEMO list; access-code keypad.
4. Training content	Typical airline announcement wording; standard life-vest briefing	The 13 PRAM announcement scripts (English), including the life-vest part of the safety demonstration.

RULE USED THROUGHOUT

When the project brief and the real A320 disagreed, the simulator follows the real A320 CIDS.

Summary

57

MATCHES

17

SIMPLIFIED

9

TRAINER

7

SIMULATOR

12

NOT
INCLUDED

Conclusion. Every FAP page, hard key and card slot of the simulator exists on the real A320 CIDS FAP, and the core behaviour of each one matches the sources: the ten hard keys, the colour code, BRT / DIM 1 / DIM 2, ± 2.5 °C temperature fine adjustment, 200 L water and 170 L waste, automatic smoke page with SMOKE RESET and automatic clearing, guarded EVAC CMD with the CAPT / CAPT & PURS selector, CIDS 1+2 FAULT, and the default access codes 318 and 813.

The **SIMPLIFIED** items are mainly airline-configured content (announcement list, music channels, number of lighting scenarios, level values) where the simulator shows one typical configuration. The functions listed as **NOT INCLUDED** are maintenance or optional features that a cabin crew trainee does not normally use.

The simulator is a classroom familiarization tool. It is not a certified training device (see the disclaimer in Section 07).

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Conformance by Area

Panel, screen and colours

Feature	In the simulator	Real A320 FAP	Status	Source
Touchscreen + hard-key sub-panel + card slots	Display unit, 10 hard keys, PRAM / CAM / OBRM slots	Display unit, sub-panel with hard keys, memory-card slots	MATCHES	[4] [6]
Colour code	Grey available, green selected, amber caution, red alarm	Same button colours; red alerts/smoke, amber warnings	MATCHES	[4]
Caution / info row	Message line in the header (e.g. door check, PAX CALL, SMOKE LAV)	Caution/info row with pending messages	MATCHES	[4]
Page tabs, two rows	Cabin pages and CAM/maintenance pages with arrows	Standard page set incl. programming pages	MATCHES	[4] [3]
Automatic page on events	Smoke opens the Smoke page	Smoke event triggers automatic page display	MATCHES	[4] [7]
SCREEN OFF	Blanks the display; touch to wake	SCREEN OFF button; also turns off after 10 min idle; optional wake password	SIMPLIFIED	[4]
CABIN READY	Key in the title bar	Cabin ready function (shown on Cabin Status)	MATCHES	[4]
Cabin Status page	One tile per system	Cabin Status page exists; exact tile content not described	SIMPLIFIED	[4] [3]

Hard keys and card slots

Feature	In the simulator	Real A320 FAP	Status	Source
EVAC CMD (guarded)	Lift guard, press; result depends on cockpit selector	Launches EVAC command or request depending on the selector	MATCHES	[4] [9] [10] [13]
EVAC RESET	Silences EVAC tone, clears indications	Switches off EVAC indication (tone, AIP, ACP)	MATCHES	[4]
EMER	Emergency lighting on/off	Emergency lighting on/off	MATCHES	[4] [6]
PED POWER	In-seat power on/off	PED power on/off	MATCHES	[4]
LIGHTS MAIN ON/OFF	General cabin illumination	General cabin illumination	MATCHES	[4] [6]

LAV MAINT	Lavatory lights full bright	Full-bright lavatory lighting for maintenance	MATCHES	[4] [6]
SCREEN 30 SEC LOCK	Touch disabled 30 s with countdown	Disables touch input 30 s for cleaning	MATCHES	[4] [6]
SMOKE RESET	Silences the lavatory smoke alert	Clears lavatory smoke alerts	MATCHES	[4] [6]
FAP RESET	Restarts the FAP screen; cabin systems keep state	FAP-PC RESET: manual reset of the PC card	MATCHES	[4]
PAX SYS	Passenger system power on/off	Switches IFE and ISPSS on/off	MATCHES	[4]
PRAM / CAM / OBRM slots	Shown on the sub-panel; used by Audio, Layout and SW Load pages	PRAM announcements/music, CAM configuration, OBRM software	MATCHES	[4] [6]



Cabin lighting

Feature	In the simulator	Real A320 FAP	Status	Source
BRT / DIM 1 / DIM 2	100 % / 50 % / 10 %	BRT 100 %, DIM 1 50 %, DIM 2 10 % (training sources)	MATCHES	[11] [18]
Zones per class from the active layout	FWD/AFT entry + one panel per class	Zones defined in the CAM layout	MATCHES	[4] [19]
GENERAL – all zones	One level for every zone	General illumination control	MATCHES	[18]
Press selected level again = off	Toggle behaviour	Not described in the sources	SIMPLIFIED	[3]
Window and aisle lights	WDO, AISLE keys	Window / ceiling scenarios configurable in the CAM	SIMPLIFIED	[19]
Reading lights R/L SET / RESET, ATTND	All reading lights on/off (except inhibited seats), attendant lights	Reading lights controlled by CIDS; enable/disable per seat	MATCHES	[4] [17]
Fuselage diagram shows zone brightness	Gold diagram dims per zone	FAP graphics from CAM-B; exact rendering varies	SIMPLIFIED	[4]
Low cabin pressure → lights BRT	TRAINER event switches lights to BRT	All lights go to full brightness at low cabin pressure	MATCHES	[4]

Doors and slides

Feature	In the simulator	Real A320 FAP	Status	Source
8 exits	L1, R1, 4 overwing exits, L2, R2	8 exits (2 forward doors, 4 overwing, 2 aft doors)	MATCHES	[15] [16]
Door / slide status	Closed/open, armed/disarmed, slide deployed	Door open/closed, slide armed/disarmed (+ bottle pressure)	MATCHES	[4]
FAP only displays the status	Doors operated with TRAINER controls	Doors operated at the door; ECAM DOOR page is primary	MATCHES	[4]
Overwing slides always armed	No arming lever (AUTO ARM)	Overwing exit slides are armed automatically	MATCHES	[15]
Armed door opened → slide deploys	Red alarm, SLIDE DEPLOYED	Opening an armed door deploys the slide	MATCHES	[15]
Door names L1/R1/L2/R2	As in the project brief	Newer Airbus documents also use 1L/1R/4L/4R	SIMPLIFIED	[1] [16]

ARM / DISARM SLIDES X-CHECK, RESET DRILL	Instructor commands	Crew commands given by the purser, not FAP keys	TRAINER	—
AT DOOR arm / open controls	Simulate the crew at the door	Done at the door, not on the FAP	TRAINER	—



Audio, announcements and chimes

Feature	In the simulator	Real A320 FAP	Status	Source
Boarding music channels	4 channels, ON/OFF, VOL, CHAN	PRAM card with 4 music channels (Airbus "Silver" card)	MATCHES	[4] [6]
Music content	Synthesized training music (Blues, Classic, Country, Jazz)	Royalty-free recorded music, airline-specific	SIMPLIFIED	[4]
Music lowered during PA	Music ducks under announcements	PA has priority over boarding music	MATCHES	[17]
Pre-recorded announcements	13 English announcements	Silver card: 81 announcements in 9 languages + 9 automatic emergency announcements	SIMPLIFIED	[4]
Announcement wording	Typical airline wording written for training	Airline-specific recordings	SIMPLIFIED	—
DIRECT PLAY, MEMO, PLAY NEXT / ALL, STOP	Select and play, play list	Announcement selection and playback; exact keys vary by CIDS version	SIMPLIFIED	[3] [4]
CALL RESET, CHIME INHIBIT on the Audio page	Cancel calls, silence chimes	CALL RESET and CHIME INHIB buttons on the Audio page	MATCHES	[4]
Chimes	High = passenger call, high-low = crew call, low = signs	Same chime meanings	MATCHES	[6] [12]
Emergency call from the cockpit	High-low chime three times	High-low chime repeated three times, pink lights on ACPs	MATCHES	[9]
TRAINER chime keys	Play each chime on demand	Not FAP keys	TRAINER	—

Cabin temperature

Feature	In the simulator	Real A320 FAP	Status	Source
Cockpit selects zone temperature	TRAINER cockpit selectors, 18–30 °C	Master setting in the cockpit; FAP control within 18–30 °C	MATCHES	[4] [5]
FAP fine adjustment	± 2.5 °C per zone	"within a range of ± 2.5 °C"	MATCHES	[5]
Zones FWD / AFT	Two cabin zones	Cabin zones per aircraft configuration	MATCHES	[5]
Actual temperature follows gradually	Simulated pack response	Real air-conditioning response	SIMPLIFIED	[5]

Water / waste

Feature	In the simulator	Real A320 FAP	Status	Source
Potable water tank	200 L	About 200 L (53 US gal)	MATCHES	[8] [14]
Waste tank	170 L	170 L usable	MATCHES	[8] [14]
Water quantity preselection	25 / 50 / 75 / 100 %	Preselection available when enabled in the CAM; steps airline-defined	SIMPLIFIED	[4]
Waste tank full → toilets inoperative	Lavatories INOP, amber caution	Full-tank signal stops flushing; SYS INOP shown on the FAP	MATCHES	[8] [14]
Lavatories A, D, E	From the project brief	Lavatory positions depend on the cabin layout	SIMPLIFIED	[1]
Use water / refill / add waste / drain	Instructor controls	Flight and ground servicing	TRAINER	—



Smoke detection

Feature	In the simulator	Real A320 FAP	Status	Source
Smoke page opens automatically	Red lavatory indication	SMOKE DETECTION page appears automatically, red indication	MATCHES	[4] [7]
Aural alert	Triple chime, repeated until SMOKE RESET	Triple chime in cabin and attendant loudspeakers	MATCHES	[7]
SMOKE RESET on the page and hard key	Silences the alert	Reset from the FAP page, FAP sub-panel or AAP	MATCHES	[4]
Smoke still shown while detected	FAP keeps the indication	FAP indications remain while smoke persists	MATCHES	[4]
Automatic clearing	CIDS clears all indications when smoke is gone	"automatically reset all visual and aural indications"	MATCHES	[4] [7]
No access code for the Smoke page	Always available	SMOKE page needs no password	MATCHES	[4]
Crew actions list	Six steps on the page	From airline procedures, not shown on the real FAP	TRAINER	—
SMOKE / EXTINGUISH keys	Instructor creates / clears smoke	Real detector input	TRAINER	—

Seat settings and passenger calls

Feature	In the simulator	Real A320 FAP	Status	Source
Inhibit call / reading light per seat	Seat row + letter, INHIBIT / ENABLE	Enable/disable reading lights and inhibit calls for single seats or groups	MATCHES	[4]
CALL INHIBIT, CHIME INHIBIT, PES	Cabin-wide settings	Call/chime inhibit and passenger entertainment power	MATCHES	[4]
Passenger call	High chime, PAX CALL with seat, amber tab	Single high chime, call light, attendant indications	MATCHES	[4] [12]
PASSENGER PRESSES CALL	Random seat calls	Real passenger action	TRAINER	—

System info and evacuation

Feature	In the simulator	Real A320 FAP	Status	Source
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Two CIDS directors	DIR 1 active, DIR 2 standby; takeover on fault	DIR 1 active, DIR 2 hot standby; switchover on fault	MATCHES	[4] [6]
CIDS 1+2 FAULT	PA, interphone and signs lost	PA, cabin and service interphone, passenger signs inoperative	MATCHES	[9]
Both directors failed — display	Shown as no active director	DIR 1 stays nominally active	SIMPLIFIED	[4]
CAPT / CAPT & PURS selector	CAPT: cabin EVAC CMD sounds only the cockpit horn for 3 s	Same	MATCHES	[9] [10]
EVAC from the cockpit	Cabin evacuation alert, red flashing title	EVAC lights flash at attendant panels, tones in the cabin	MATCHES	[9] [10]
DIR fault, cockpit EVAC, low pressure keys	Instructor fault injection	Real failures / cockpit actions	TRAINER	—
RESET SIMULATOR	Factory defaults	—	TRAINER	—



CAM and maintenance pages

Feature	In the simulator	Real A320 FAP	Status	Source
Access codes	318 for Cabin Programming, Layout Selection, Level Adjustment; 813 for Software Loading	Default passwords 318 and 813, defined in the CAM (airlines can change them)	MATCHES	[4]
Cabin Programming	Move class borders by seat rows, SAVE to CAM	Moves the borders between cabin classes; password protected	MATCHES	[4]
NON SMOKER A/C flag	ON/OFF on Cabin Programming	Not described in the sources	SIMPLIFIED	[3]
Layout Selection	1-, 2-, 3-class layouts, LOAD; MODIFIED counter after SAVE	Up to 3 predefined layouts + modified layouts; Save; modification counter	MATCHES	[4]
Layout Selection on ground only	Always available	Ground only	SIMPLIFIED	[4]
Level Adjustment	Announcement and chime levels for cabin zones, attendant areas, lavatories	Loudspeaker and chime levels for cabin zones, attendant areas, rooms, lavatories	MATCHES	[4]
Level range -6 ... +6 dB	Fixed range	Range not given in the sources	SIMPLIFIED	[3]
Software Loading	OBRM versions, LOAD SW, CIDS restarts; green when up to date	OBRM holds DIR / SDF / FAP software; page fully green when successful	MATCHES	[4]
FAP Set-Up	Brightness, loudspeaker / headphone volume, touchscreen click	Display brightness, FAP loudspeaker and headset volume, cartridge removal	MATCHES	[4]

Simulator-only features

Feature	Purpose	Status
License code activation and device binding	Protects the app; one device per code	SIMULATOR
Free demo (A320-DEMO)	Try MAIN ON/OFF and boarding music only	SIMULATOR
⚙ SETTINGS: code, device ID, Deactivate & Transfer	Move the license to a new tablet	SIMULATOR
FAP CONFIG: °C / °F	Temperature unit for the classroom	SIMULATOR
FAP CONFIG: MUTE	Silence the simulator	SIMULATOR

Important notice at every start

Training disclaimer

SIMULATOR

Always horizontal / panel scaling

Same panel on every tablet

SIMULATOR



Corrections to the Original Brief

Some items of the original project brief [1] do not exist on the real A320 FAP or work differently. The simulator follows the real aircraft:

In the brief	Real A320	What the simulator does
Lighting keys NIGHT and OFF on the general panel	FAP presets are BRT, DIM 1, DIM 2; a zone is switched off from the FAP or with MAIN ON/OFF	BRT / DIM 1 / DIM 2; pressing the selected level again switches the zone off
"EMER" as a red covered key that sounds a siren	EMER switches the emergency lighting; the guarded red key is EVAC CMD	EMER = emergency lighting; EVAC CMD guarded
Hard keys CMD RESET, CABIN LIGHTS, PA CALL, HANDSET jack	The real sub-panel has EMER, PED POWER, LIGHTS MAIN ON/OFF, LAV MAINT, EVAC CMD, EVAC RESET, SMOKE RESET, FAP-PC RESET, PAX SYS, SCREEN 30 SEC LOCK	The ten real hard keys
"Smoke Reset" and "Evac" as page tabs	SMOKE RESET is a hard key and a key on the Smoke page; EVAC is a hard key	Smoke Detection page + hard keys
Temperature set freely on the FAP	Set in the cockpit; FAP fine adjustment ± 2.5 °C	Cockpit selection + ± 2.5 °C
Smoke alarm returning after reset	Indications stay while smoke persists and clear automatically	As on the aircraft

Not Included

Real A320 CIDS functions the simulator does not reproduce, and why:

Function	Reason	Source
Door / slide bottle pressure on the Doors page	Maintenance indication (optional except overwing exits)	[4]
Screen auto-off after 10 minutes and wake-up password	Not useful in a classroom	[4]
Mandatory Layout mode (unreadable CAM)	Maintenance failure case	[4]
MCDU Simulator Menu page	Maintenance only	[4]
Integrated PRAM page variant / CAM-B graphics	One audio page is enough for training	[4]
Up to 6 lighting scenarios (100 % ... 5 %)	Airline-configured; the three standard presets are taught	[19]
Automatic emergency announcements	Airline-specific	[4]
PA volume increase at low cabin pressure	Not audible as a training point	[4]
Attendant panels AIP / ACP / AAP	Separate panels at each attendant station, not the FAP	[6] [12]
Interphone handset calls	Separate handset system	[6]
CFDS emulation / BITE tests	Maintenance only	[6]
Cargo smoke detection	Cockpit system, not a cabin crew task	[4]

SECTION 07

Disclaimer

The A320 FAP Simulator is developed by Overdrive Interactive for academic, familiarization and educational training purposes only. It is not certified by Airbus, FAA, EASA, CAAP or any civil aviation authority and must not be used for real aircraft operation, checklist validation or actual emergency procedures.

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SECTION 08

Sources

1. Original project brief for the simulator (project instructions file, 2026).
2. Photograph of a real A320 CIDS Flight Attendant Panel, supplied with the brief.
3. Reference screenshots of an Airbus-style FAP trainer, supplied by the project owner (v3.0).
4. A320 CIDS — technical document: <https://pdfcoffee.com/a320-cids-pdf-free.html>
5. AviationHunt, ATA 21 Air Conditioning (A320): <https://www.aviationhunt.com/airbus-a320-ata-21/>
6. AviationHunt, ATA 23 Communications (A320): <https://www.aviationhunt.com/airbus-a320-ata-23/>
7. AviationHunt, ATA 26 Fire Protection (A320): <https://www.aviationhunt.com/airbus-a320-ata-26/>
8. AviationHunt, ATA 38 Water / Waste (A320): <https://www.aviationhunt.com/airbus-a320-ata-38/>
9. The Flying Engineer, Airbus communication systems: <https://theflyingengineer.com/projects/airbus-tech/communication-systems/>
10. FlyByWire documentation, A32NX evacuation panel: <https://docs.flybywiresim.com/pilots-corner/a32nx/a32nx-briefing/flight-deck/ovhd/evacuation/>
11. Brainscape, A320 Passenger Service Unit flashcards (light levels): <https://www.brainscape.com/flashcards/passenger-service-unit-3811371/packs/5636868>
12. Quizlet, Area Call Panel (ACP) signals: <https://quizlet.com/study-guides/understanding-area-call-panel-acp-signals-713869f7-e16b-4d4b-9f5a-86a155db266f>
13. Quizlet, Forward Attendant Panel (FAP) hard keys: <https://quizlet.com/87319263/forward-attendant-panel-fap-hard-keys-flash-cards/>
14. Quizlet, A320 Waste System ATA 38: <https://quizlet.com/249006478/02-12-2017-a320-waste-system-ata-38-flash-cards/>
15. PPRuNe, A320 over-wing emergency exit: <https://www.pprune.org/tech-log/587608-over-wing-emergency-exit-a320.html>
16. PPRuNe, A319/A320 door designation: <https://www.pprune.org/tech-log/617949-a319-a320-door-designation.html>

17. Airbus, "Cabin communication" (CIDS functions): <https://aircraft.airbus.com/en/newsroom/news/2019-10-cabin-communication>
18. HAW Hamburg, Flight Systems notes ATA 33 Lights: <https://www.fzt.haw-hamburg.de/pers/Scholz/materialFS/FS-Notes-ATA33.pdf>
19. "33 Lights — the aircraft" (A320 CFM56 lighting training document): <https://www.slideshare.net/slideshow/33-lights-the-aircraft-t1t2-cfm-56pdf/266627117>
20. Airbus FAST magazine #64 (October 2019), CIDS: <https://www.aircraft.airbus.com/sites/g/files/jlcbta126/files/2021-11/Airbus-FAST64-magazine.pdf>

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