OVERDRIVE INTERACTIVE

AIRBUS A320 · CIDS · FAP

A320 FAP Simulator

User Manual & Function Guide



Version 4.1 · Android tablet & Windows PC app

Every page, key and training drill of the Airbus A320 Cabin Intercommunication Data System (CIDS) Flight Attendant Panel, explained step by step.

For academic, familiarization and training purposes only. Not for operational use.

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CHAPTER 01

Introduction

The Flight Attendant Panel (FAP) is the cabin crew's control centre on the Airbus A320. It is part of the CIDS, the Cabin Intercommunication Data System, and it is usually installed at the forward attendant station near door L1.

From the FAP the cabin crew controls and monitors the cabin lighting, announcements and boarding music, doors and escape slides, cabin temperature, potable water and waste, lavatory smoke detection and passenger calls. The A320 FAP Simulator reproduces the panel on an Android tablet so students can practise every function in the classroom.

How the panel is organized

- **Touchscreen**: the upper part. It shows the header, the page title bar, the selected page and two rows of page tabs.
- **Hard keys**: ten physical keys below the screen (EVAC, lighting, smoke reset, and more). They keep working even while the touchscreen is locked. See Chapter 14.
- **Memory card slots**: PRAM (pre-recorded announcements and boarding music, an airline option), CAM (cabin assignment module) and OBRM (on-board replaceable module, for software loading). The cards are changed on the FAP SET-UP page (Chapter 13).

Color conventions

The simulator follows the real A320 CIDS color logic:

Color	Meaning
GREY	Key available, not selected.
GREEN	Selected / active (for example the light level in use, or the open page).
AMBER	Caution: something needs attention (passenger call, waste tank full, smoke being monitored).
RED	Alarm: immediate action (smoke, slide deployed, evacuation). Red items flash.

Only the real A320 FAP on the screen

The FAP screen, its title bar, its page tabs and the hard keys below it show **only what the real A320 CIDS FAP has**. Everything the instructor needs is **outside the FAP**, on the panel frame:

- INSTRUCTOR (top frame, left): opens the **INSTRUCTOR panel**.
- ⚙ SETTINGS (top frame, right): license, device ID, app version and updates (Chapter 2).

The INSTRUCTOR panel

It simulates what happens **away from the FAP**: the cockpit, the passengers, the doors, the aircraft and maintenance. **Nothing in it is part of the A320 FAP.** It is drawn in violet, a colour the CIDS never

uses, and covers the right side of the panel until you close it (✕ or INSTRUCTOR again).



INSTRUCTOR panel, COCKPIT tab.

Tab	Simulates
COCKPIT	Flight phase, the signs panel (SEAT BELTS, NO SMOKING, EMER EXIT LT), COCKPIT PA, the zone temperature selectors, the EVAC selector and COCKPIT EVAC CMD.
CABIN	Lavatory call buttons, a passenger seat call, smoke in a lavatory.
DOORS	The arming lever and handle at each door, ARM / DISARM SLIDES X-CHECK, RESET DRILL.
AIRCRAFT	Normal power lost, low cabin pressure, CIDS director faults, water use and ground servicing.
MAINT.	The card case for the PRAM / CAM / OBRM card change.
SIMULATOR	The cabin chimes to listen to, °C / °F, MUTE, the access codes and RESET SIMULATOR.

> **TIP**
> Create the situation in the INSTRUCTOR panel, close it, and let the student respond on the FAP only.

CHAPTER 02

Getting Started

Installing the app

1. On the website, scan the QR code with the tablet camera or tap **DOWNLOAD APK**.
2. When Android asks, allow **Install unknown apps** for your browser, then install.
3. Open **A320 FAP** and hold the tablet in landscape. The app runs full screen.

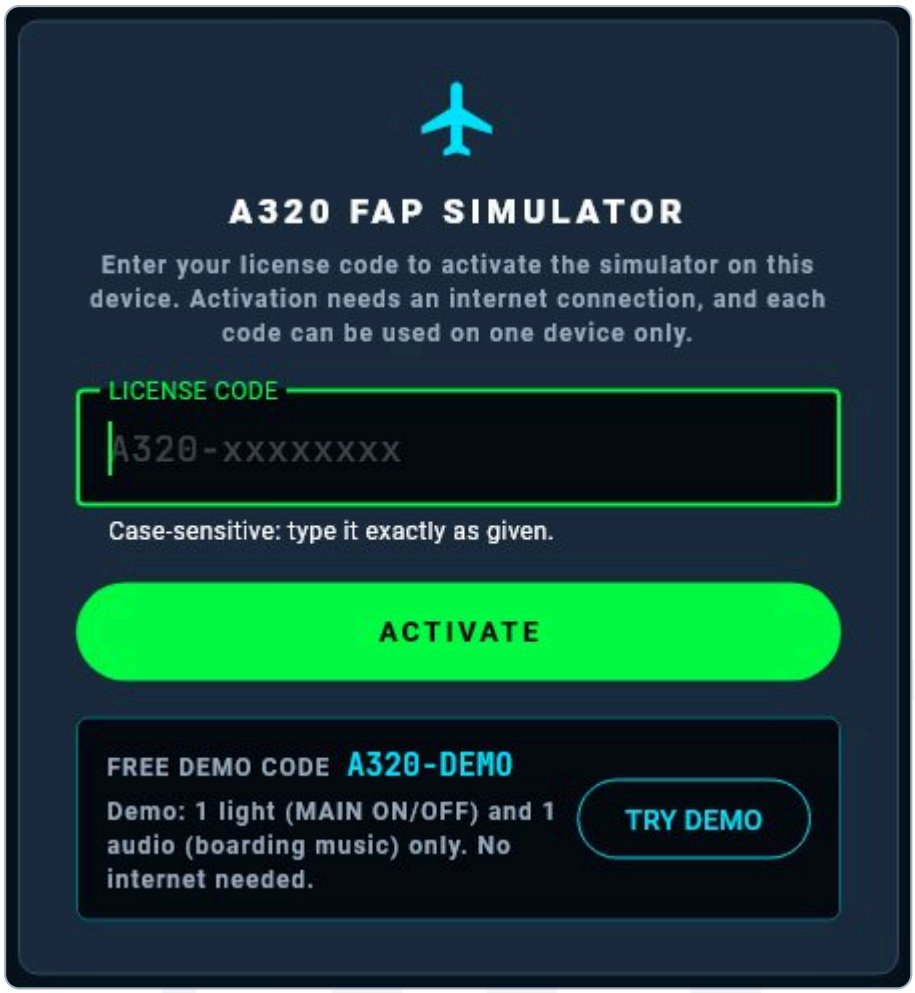
Requirements: Android 7.0 or newer. A landscape tablet is recommended.

Installing on a Windows PC

1. On the website, click **DOWNLOAD FOR WINDOWS** and open the downloaded **A320_FAP_Setup** file.
2. If Windows shows *"Windows protected your PC"*, click **More info**, then **Run anyway**.
3. Follow the Setup: choose *Install for me only* (no administrator needed) or for all users, accept the notice, and click **Install**. A desktop and Start-menu shortcut is created.
4. Open **A320 FAP Simulator**. It opens full screen; activate it with your license code as below.

Requirements: Windows 10 or 11, 64-bit. To remove it, use *Settings > Apps > A320 FAP Simulator > Uninstall*. A license code activated on a PC is tied to that PC; to move it, ask your instructor or administrator.

Activating with a license code

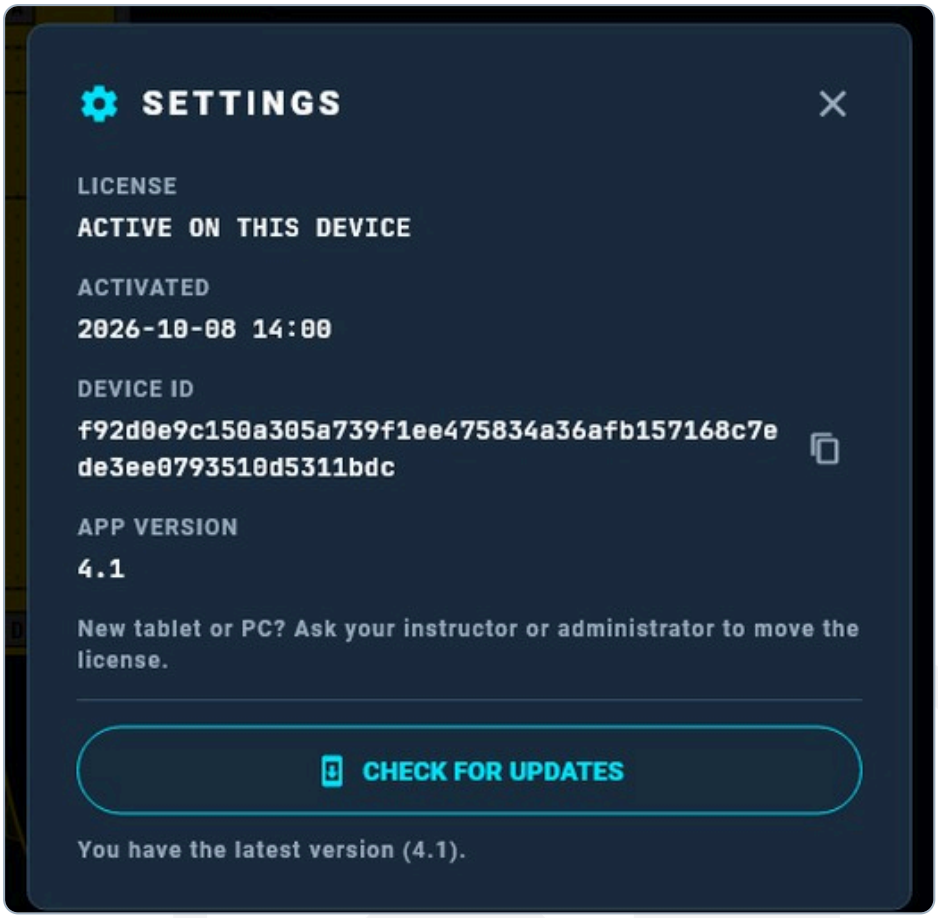


The start screen: license code field and the free demo code.

1. Connect the tablet to the internet (needed **once**, for activation only).
2. Type your license code exactly as given, for example `A320-k7Rm9Qx2`. Codes are **case-sensitive**: capital and small letters matter.
3. Tap **ACTIVATE**. After activation the simulator works fully offline.

- Each code works on **one device only** and can never be used on another device.
- **Reinstalling is safe.** If the app is uninstalled and installed again on the same tablet, it recognizes the device and unlocks automatically (online) without a new code. If the tablet is offline at that moment, connect it and tap **CHECK AGAIN**.
- A factory reset of the tablet counts as a new device: ask the administrator to release the code first.

Settings and moving your license

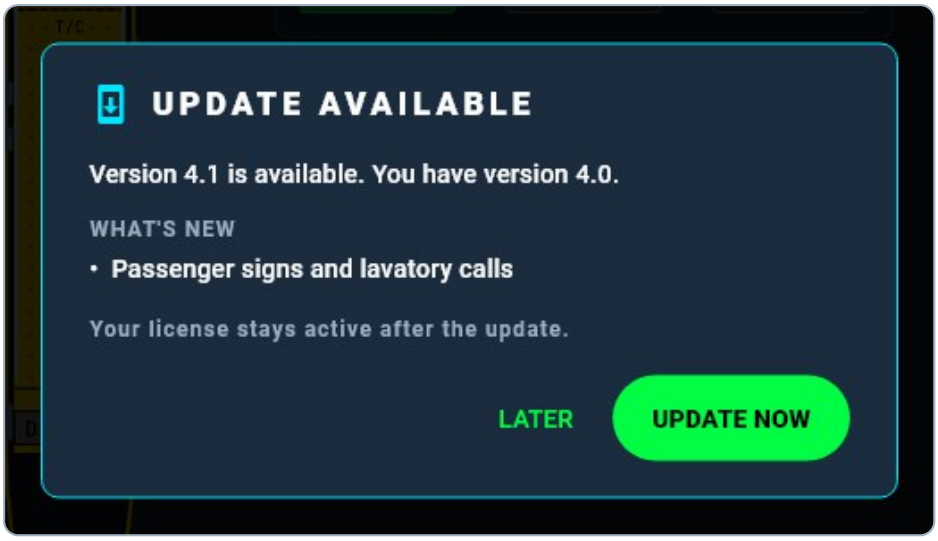


SETTINGS (key on the top frame of the panel, right side): license status, device ID, app version and CHECK FOR UPDATES.

The ⚙ **SETTINGS** key on the top frame of the panel shows that the license is active on this device, the activation date, the **device ID** and the app version. The license code itself is not shown.

> **NEW TABLET OR PC?**
> Ask your instructor or administrator to **release** your code from the admin panel (tell them the device ID if they ask), then enter the same code on the new device. If the old device ever comes back online, it locks itself automatically.

Updating the app



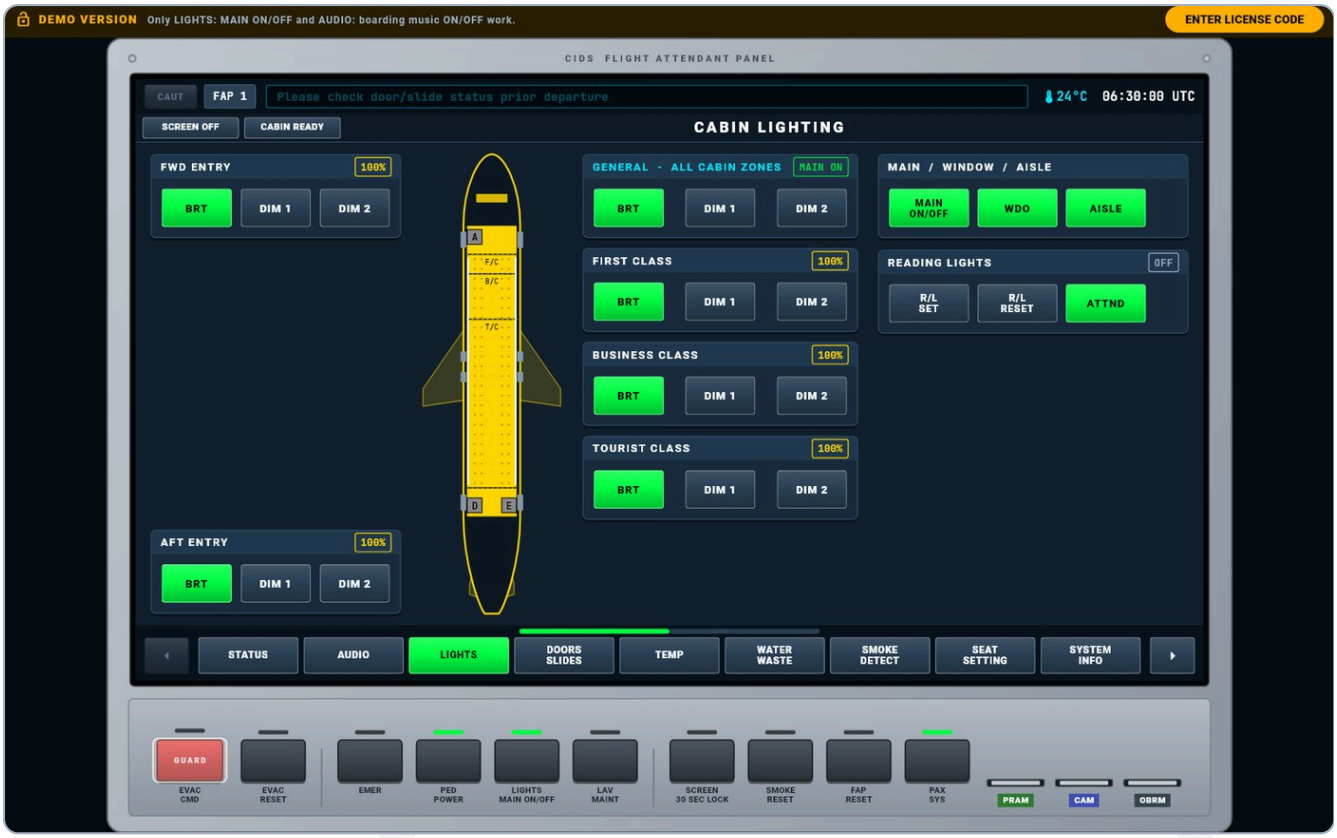
A new version is available: UPDATE NOW or LATER.

1. When the app starts with internet, it checks the website for a new version. You can also tap ⚙ **SETTINGS > CHECK FOR UPDATES**.
2. If one is available, tap **UPDATE NOW**. The new version downloads (a progress bar shows how much).
3. **Android:** tap **INSTALL** on the Android screen. The first time, Android may ask to allow *Install unknown apps* for A320 FAP. **Windows:** the app closes and the Setup opens; follow it.

Your license stays active after the update. **LATER** closes the window; the app asks again at the next start.

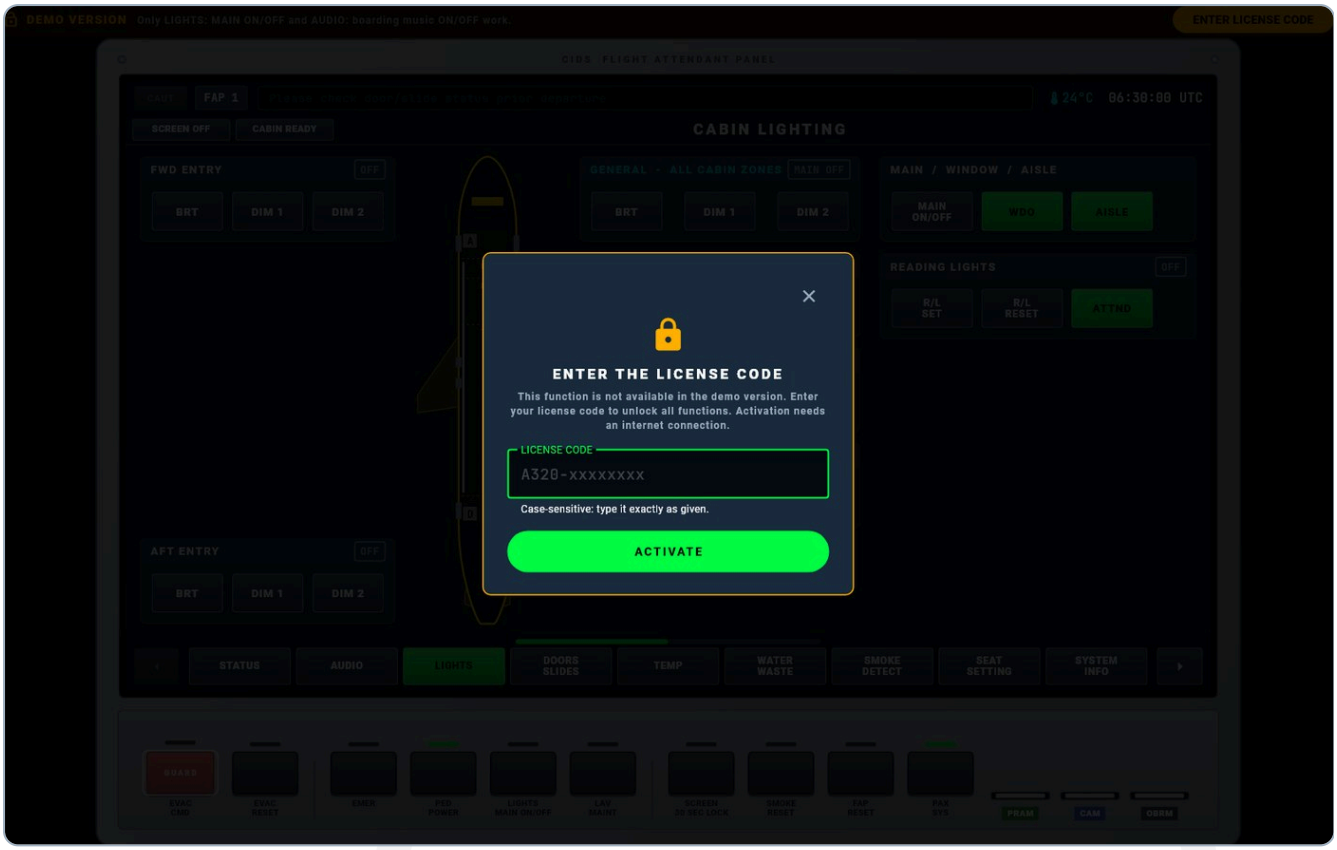
Free demo

Without a license code you can try the simulator: tap **TRY DEMO** on the start screen, or enter the demo code `A320-DEMO`. No internet is needed.



Demo version: the amber bar at the top shows which functions are available.

The demo includes **one lighting function** (MAIN ON/OFF on the Cabin Lighting page) and **one audio function** (boarding music ON/OFF on the Audio page), plus the LIGHTS and AUDIO page tabs. Touching any other key, page or hard key opens the **Enter the license code** window. Enter a license code there, or with the **ENTER LICENSE CODE** button in the bar, to unlock every function at once.



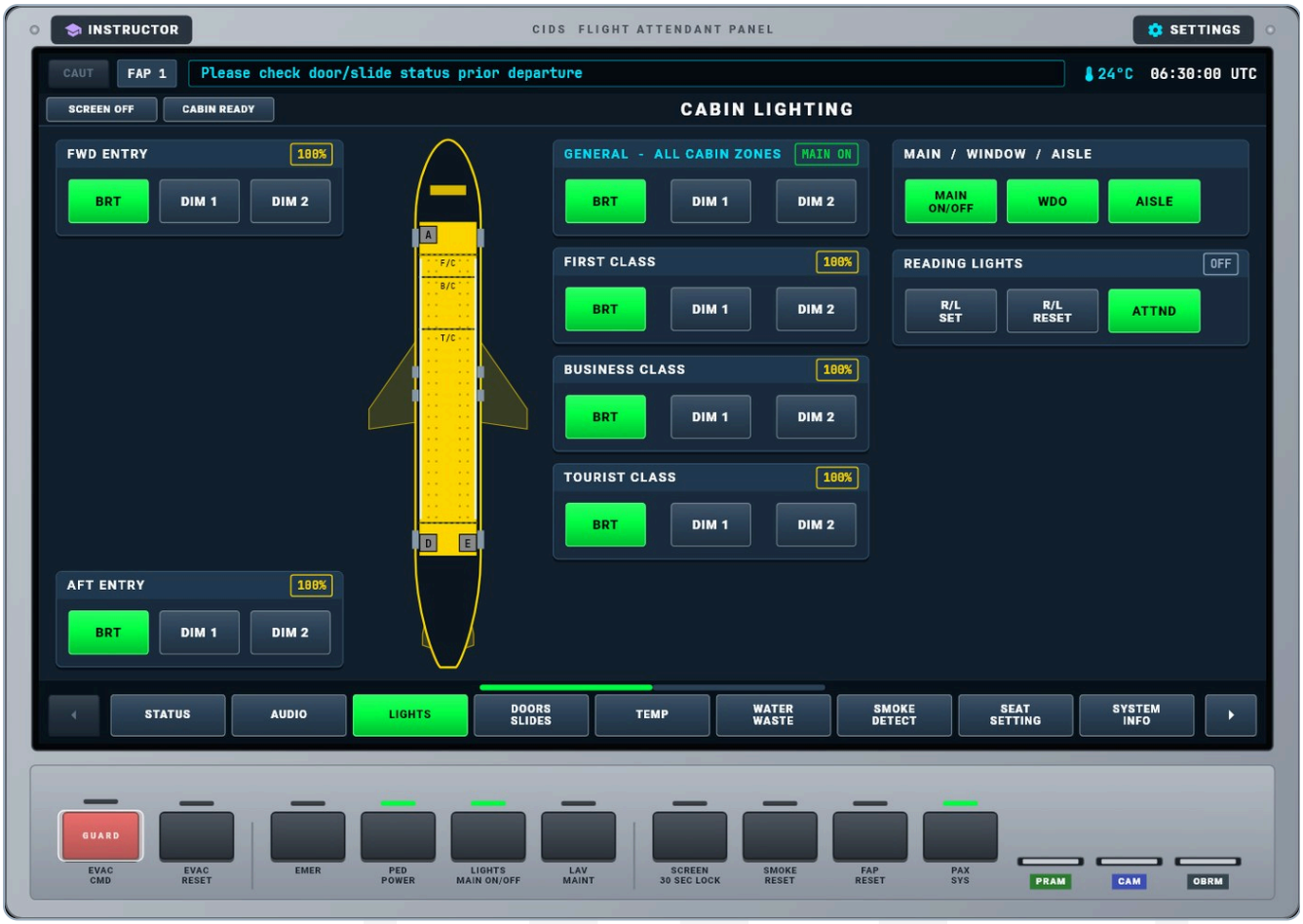
A locked function in the demo asks for the license code.

Important notice

At every start the app shows the Important Notice & Disclaimer (see Chapter 17). Read it and tap **I AGREE & CONTINUE** to open the panel.

CHAPTER 03

The Screen



The FAP: header, title bar, page area, page tabs, hard keys and card slots.

Header (top line)

Item	What it shows
CAUT	Caution key. **Off**: no event. **Flashing amber**: a new event whose page has not been looked at yet (smoke, deployed slide, water / waste, CIDS fault, passenger or lavatory call). **Steady amber**: every event page has been selected. Press CAUT to open the page of the event.
FAP 1	The panel identifier.
Message line	Cautions and information, for example *Please check door/slide status prior departure*, *PAX CALL 9E / LAV D* or *SMOKE LAV D*. Alarms appear in red.
SELECT ... PAGE	Info row: flashes while a new event waits, and names the page to open, for example *SELECT AUDIO PAGE*.
Temperature	Average cabin temperature (°C or °F, see INSTRUCTOR > SIMULATOR).
UTC clock	Current time in UTC.

Title bar

Key	Function
`SCREEN OFF`	Blanks the display; touch the screen anywhere to wake it. While a new event is waiting, SCREEN OFF first steps through the event pages one at a time, like the real CIDS.
`CABIN READY`	Tells the flight crew the cabin is secured. The cockpit ECAM shows it on the take-off checklist once the engines run, and on the landing checklist with the gear down. Green while active; press again to cancel.
Page title	Name of the open page. Short notices temporarily replace the title; during an evacuation it shows **EVAC – PRESS EVAC RESET TO SILENCE** and flashes red.
`⚙ SETTINGS`	On the top frame of the panel (right side): simulator settings, not part of the aircraft FAP (license status, device ID, app version, CHECK FOR UPDATES). See Chapter 2.
`INSTRUCTOR`	On the top frame of the panel (left side): the INSTRUCTOR panel, not part of the aircraft FAP. See Chapter 1.

Page tabs

The bottom of the screen has two rows of page tabs. The arrow keys at both ends switch between the rows; the bar above the tabs shows which row is displayed.

- **Row 1, cabin pages:** STATUS, AUDIO, LIGHTS, DOORS/SLIDES, TEMP, WATER/WASTE, SMOKE DETECT, SEAT SETTING, SYSTEM INFO.
- **Row 2, CAM and maintenance pages:** CABIN PROG, LAYOUT SELECT, LEVEL ADJUST, SW LOAD, FAP SET-UP (Chapter 13).

A tab whose system needs attention changes color even when you are on another page: **SMOKE DETECT** flashes red on smoke (amber while still monitoring), **DOORS/SLIDES** turns red when a slide is deployed, **WATER/WASTE** amber when the waste tank is full, **SEAT SETTING** amber on a passenger call, **AUDIO** amber on a passenger or lavatory call (CALL RESET is there), and **SYSTEM INFO** amber or red on CIDS faults.



Temperatures in °F (INSTRUCTOR > SIMULATOR) and a dimmed display (FAP SET-UP).

CHAPTER 04

Cabin Status

One overview tile for every cabin system. Tap a tile to open that system's page. The cockpit, the aircraft and the passengers are simulated in the INSTRUCTOR panel.



CABIN STATUS in flight: seat belt signs on, a call from lavatory D waiting (CAUT and SELECT AUDIO PAGE).

Tile	Summary shown
DOORS / SLIDES	Doors closed (for example 7/8) and slides armed (4/8).
CABIN LIGHTING	MAIN ON/OFF, the general light level, and EMER LT ON when the emergency lights are on.
AUDIO	Boarding music on/off (or NO PRAM CARD), and whether a PA is on air (PA COCKPIT for a cockpit PA).
CABIN TEMPERATURE	Actual FWD and AFT zone temperatures.
WATER / WASTE	Potable water and waste tank percentages.
SMOKE DETECTION	NORMAL, or the lavatory with smoke.
SYSTEM INFO	Active CIDS director and PAX SYS power.

EVAC	NORMAL, or evacuation command active.
PASSENGER SIGNS	SEAT BELT, NO SMOKING and EXIT signs ON/OFF; SIGNS LOST with CIDS 1+2 FAULT.

Passenger signs

The flight crew switches the signs in the cockpit; the CIDS lights them in the cabin. **Every time a sign comes on or goes off, a single low chime sounds.**

- **SEAT BELTS** ON / OFF. The **RETURN TO SEAT** signs in the lavatories follow the seat belt signs.
- **NO SMOKING** ON / AUTO / OFF. In **AUTO** the signs are on while the landing gear is down (on ground and on approach) and off with the gear up.
- At **low cabin pressure** (cabin altitude above about 11,300 ft) the seat belt, no smoking and exit signs come on by themselves, whatever the switch positions.
- **EXIT** signs: with the emergency lights, at low cabin pressure, or in ARM when NO SMOKING is ON or AUTO with the gear down.

INSTRUCTOR panel – COCKPIT, CABIN and AIRCRAFT tabs

Control	Simulates
`FLIGHT PHASE`	What the CIDS receives from the aircraft: GROUND, ENGINES RUNNING, FLIGHT (gear up), APPROACH (gear down). LAYOUT SELECTION works on ground only; NO SMOKING in AUTO follows the gear.
`SEAT BELTS` / `NO SMOKING`	The cockpit sign switches.
`EMER EXIT LT` ON / ARM / OFF	The cockpit emergency light switch. In **ARM** the emergency lights come on by themselves when the normal electrical supply is lost.
`NORMAL POWER LOST`	Loss of the normal electrical supply (with ARM: emergency lights on).
`COCKPIT PA`	A PA from the cockpit handset: the captain's voice is heard. It has priority: a PRAM announcement stops and the boarding music is lowered until the cockpit PA ends. It ends by itself when the captain finishes, or press again to end it sooner.
`LAV A / D / E`	A passenger presses the call button in that lavatory: single high chime, *PAX CALL LAV D* on the message line. Pressing it again cancels the call, like the button in the lavatory.

CHAPTER 05

Audio

Boarding music, pre-recorded announcements (PRAM) and cabin call settings.

> **PRAM IS AN AIRLINE OPTION**
> Not every A320 has a PRAM. Without it, the cabin crew make every announcement with the handset, and there is no boarding music from the FAP. In the simulator, removing the PRAM card on FAP SET-UP shows this situation.



AUDIO page with three announcements in the MEMO list.

Boarding music (BGM1)

Control	Function
Channel list	Four channels: Blues, Classic, Country, Jazz. Tap one to select it; a note symbol marks the channel playing.
`ON/OFF`	Starts or stops the boarding music. Green while playing.
`VOL + / -`	Music volume, 0 to 10.

`CHAN + / -`	Steps to the next or previous channel.

MUSIC DUCKING
During a PA announcement the boarding music is lowered automatically and comes back up afterwards. It is never cut completely.

Pre-recorded announcements (PRAM)

The **SELECT** list on the right holds the announcements stored on the PRAM card:

Code	Announcement	Code	Announcement
`010`	Welcome aboard	`080`	Turbulence alert
`020`	Safety demonstration	`090`	Doctor on board
`030`	No smoking	`100`	Ground delay
`040`	Electronic devices	`110`	Descent preparation
`050`	Prepare for take-off	`120`	Final approach
`060`	Fasten seat belts	`130`	Arrival / disembark
`070`	Seat belt sign off		

020 SAFETY DEMONSTRATION
Seat belts, the eight emergency exits, floor path lighting, oxygen masks and the life vest: put it on over the head, fasten the straps; do not inflate it inside the aircraft; pull the red tabs to inflate it automatically, or blow into the mouthpieces if it does not inflate or needs more air; light and whistle to attract attention.

Control	Function
`DIRECT PLAY`	Plays the selected announcement immediately.
`←`	Copies the selected announcement into the MEMO play list (left).
`→`	Takes the highlighted MEMO entry back out of the list.
`▲ / ▼`	Moves the highlighted MEMO entry up or down.
`PLAY NEXT`	Plays the first MEMO entry and removes it from the list.
`PLAY ALL`	Plays the whole MEMO list in order.
`STOP`	Stops the announcement (and PLAY ALL).
`CLEAR ALL`	Empties the MEMO list.
ON ANNOUNCE	Shows the announcement playing now.

ONE ANNOUNCEMENT AT A TIME

Two announcements never play together: starting a new one replaces the one playing.

PA PRIORITY

A PA from the cockpit has priority over the PRAM: a playing announcement stops, and a new one cannot start until the cockpit PA ends.

No PRAM card



No PRAM card in the slot: no announcements and no boarding music.

The voice of the announcements depends on the PRAM card in the slot (five simulated cards, all female voices; ORIGINAL is the default). See FAP SET-UP in Chapter 13.

Cabin settings and chimes

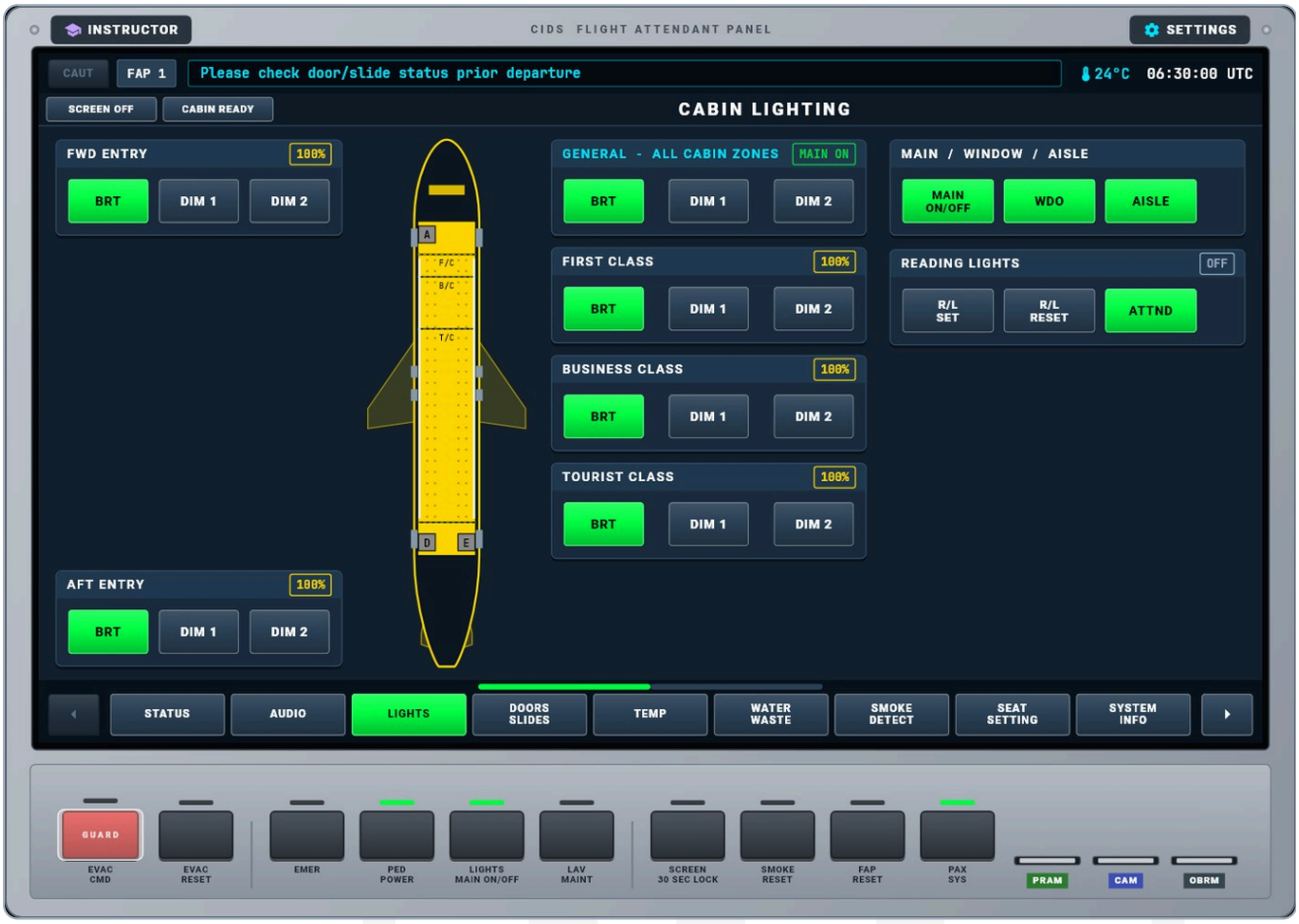
Control	Function
`CALL RESET`	Cancels every passenger and lavatory call. Amber while calls are waiting; the seats and lavatories calling are listed below it.
`CHIME INHIBIT`	Silences the call chimes (the sign chime still sounds).

INSTRUCTOR > SIMULATOR chimes	**HIGH** passenger call · **HIGH-LOW** crew call (interphone) · **LOW** seat belt / no smoking signs · **EMER CALL** emergency call from the cockpit (three times).

CHAPTER 06

Cabin Lighting

General illumination per cabin zone, window and aisle lights, and reading lights.



CABIN LIGHTING page. The fuselage diagram shows each zone's brightness.

Light levels

Level	Brightness	Typical use
BRT	100 %	Boarding, disembarking
DIM 1	50 %	Meal service
DIM 2	10 %	Rest, night take-off and landing

Zones

- **FWD ENTRY** and **AFT ENTRY** (left column) and one panel per passenger class of the active cabin layout (for example FIRST, BUSINESS and TOURIST CLASS). Each has BRT, DIM 1 and DIM 2; the tag shows the level in percent or OFF.
- Pressing the level that is already selected (green) switches that zone **off**.
- **GENERAL – ALL CABIN ZONES** sets every zone to the same level at once.



Different levels per zone; the diagram dims each zone to match.

Main, window, aisle and reading lights

Key	Function
`MAIN ON/OFF`	Switches the general cabin illumination on or off (same as the LIGHTS MAIN ON/OFF hard key).
`WDO`	Window lights.
`AISLE`	Aisle lights.
`R/L SET`	Switches on every passenger reading light (except seats inhibited on the Seat Settings page).
`R/L RESET`	Switches every reading light off.
`ATTND`	Attendant work lights.

The light above each lighting hard key shows its state: MAIN, LAV MAINT (lavatory lights full bright) and EMER (emergency lighting).

Automatic lighting

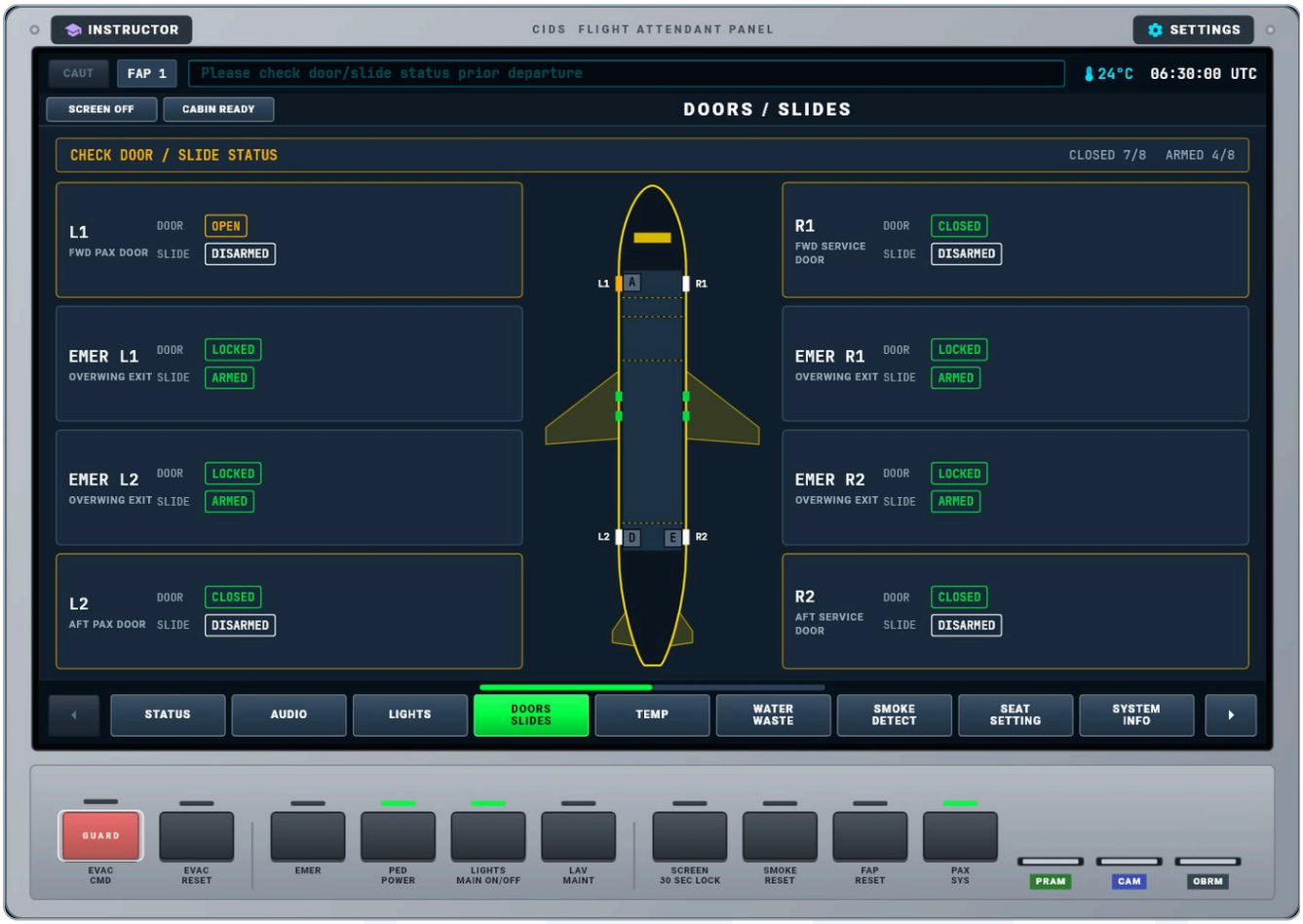
- **Low cabin pressure**: every cabin light goes to BRT.

- **CIDS 1+2 FAULT**: the FAP can no longer control the lights. After **3 minutes** without a CIDS signal, the cabin lights go to full brightness. When the CIDS comes back, the lavatory lights dim; the others stay as they are.
- **Emergency lights**: on with the EMER hard key, the cockpit EMER EXIT LT switch at ON, or by themselves in ARM when the normal electrical supply is lost.

CHAPTER 07

Doors / Slides

Door and escape-slide status for all eight exits. The FAP only *displays* the status; the doors themselves are operated at the door, which the INSTRUCTOR panel (DOORS tab) simulates.



DOORS / SLIDES: all doors closed, all slides armed.

Exits

L1 forward passenger door, **R1** forward service door, **EMER L1 / L2 / R1 / R2** overwing emergency exits, **L2** aft passenger door and **R2** aft service door.

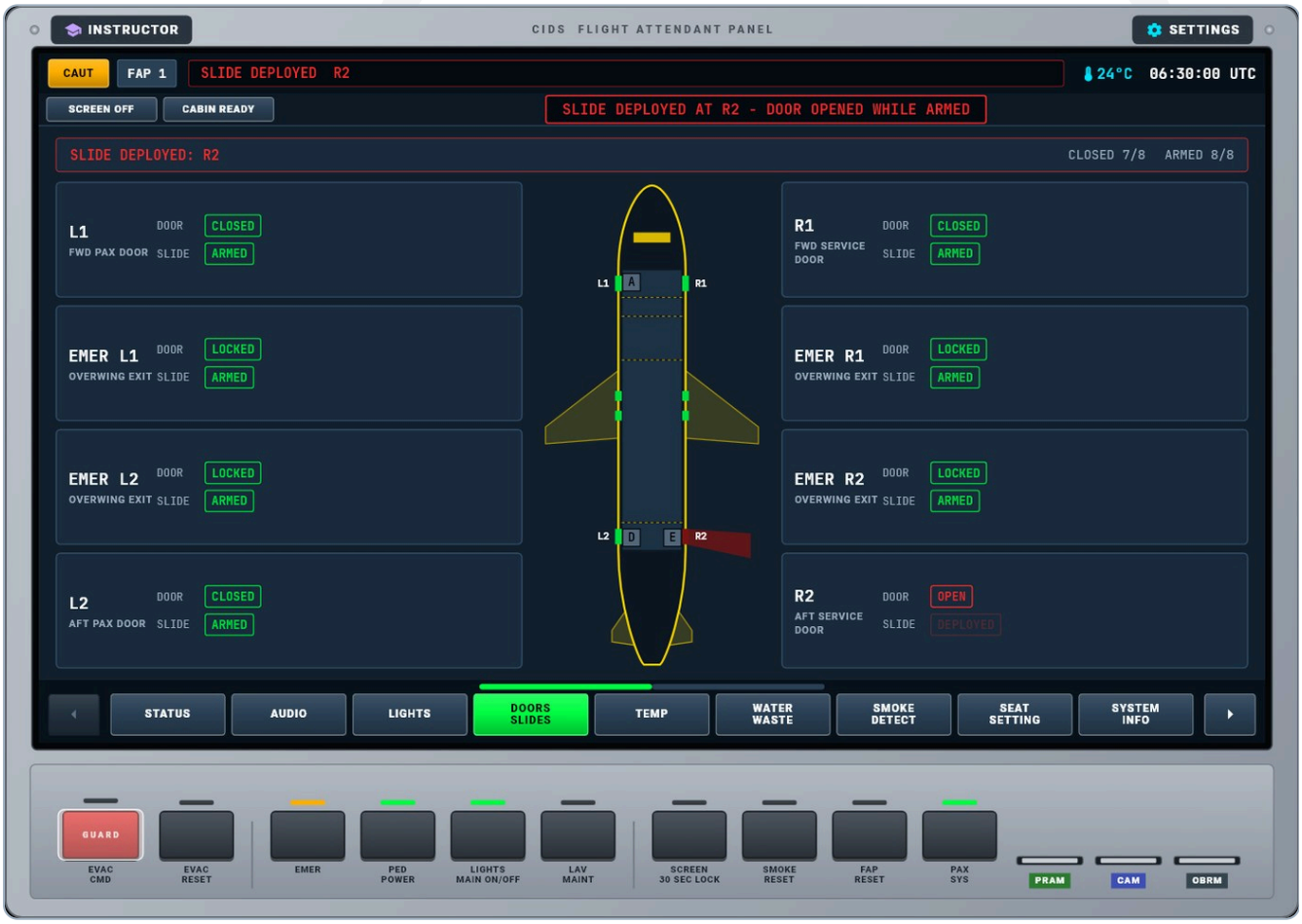
Status	Meaning
DOOR: CLOSED / OPEN / LOCKED	Door position. Overwing exits show LOCKED.
SLIDE: ARMED / DISARMED	Escape slide arming. Overwing exit slides are permanently armed (AUTO ARM).
SLIDE DEPLOYED	The slide inflated (red alarm).

Closed + armed Closed + disarmed Open Slide deployed

INSTRUCTOR panel – DOORS tab

Control	Simulates
`AT DOOR: ARM / DISARM`	A crew member moving the slide arming lever at that door.
`AT DOOR: OPEN / CLOSE`	Opening or closing the door.
`ARM SLIDES X-CHECK`	The command *"Cabin crew, arm slides and cross-check"*: every door slide is armed.
`DISARM SLIDES X-CHECK`	The command *"Cabin crew, disarm slides and cross-check"*.
`RESET DRILL`	Returns every door and slide to its starting state (deployed slides are repacked) to run the drill again.

> **ARMED DOOR OPENED = SLIDE DEPLOYS**
> Exactly like the aircraft, opening a door whose slide is armed deploys the escape slide. The message line shows *SLIDE DEPLOYED AT R2 – DOOR OPENED WHILE ARMED* and the DOORS/SLIDES tab turns red.



R2 was opened while armed: the slide deployed.

CHAPTER 08

Cabin Temperature

The flight crew selects each zone temperature in the cockpit; the cabin crew can fine-tune it from the FAP.



CABIN TEMPERATURE page.

- **Cockpit selection**: 18 °C to 30 °C per zone (FWD and AFT). The *zone temperature selectors* in INSTRUCTOR > COCKPIT (– / +) simulate the flight crew changing it.
- **FAP fine adjustment**: `-` / `+` moves a zone up to **±2.5 °C** around the cockpit selection. The indicator shows the offset.
- **ACTUAL**: the measured zone temperature. It moves gradually toward the target as the air-conditioning packs respond.
- `RESET TO COCKPIT SELECTED TEMP` removes all FAP adjustments.
- Switch between °C and °F in **INSTRUCTOR > SIMULATOR**.

CHAPTER 09

Water / Waste

Potable water and waste tank quantities, water preselection and lavatory status.



WATER / WASTE page.

Item	Details
POTABLE WATER	200 L tank, shown in % and litres. Status NORMAL, LOW or EMPTY.
WASTE	170 L tank. Status NORMAL, HIGH or TANK FULL.
WATER QUANTITY PRESELECTION	`25%` `50%` `75%` `100%`: the level the tank is filled to at the next servicing (saves weight on short flights).
LAVATORIES	Lavatories A, D and E: **OK**, **NO WATER** or **INOP**.
`RESET WARN`	Acknowledges the water/waste caution. It comes back if the condition clears and happens again.

WASTE TANK FULL

A full waste tank makes every vacuum toilet inoperative (INOP). The WATER/WASTE tab turns amber.



Waste tank full: all lavatories INOP.

INSTRUCTOR panel – AIRCRAFT tab

`USE WATER -10%` `REFILL WATER` `ADD WASTE +10%` `DRAIN WASTE` simulate water use in flight and ground servicing. Draining the waste tank brings the lavatories back.

CHAPTER 10

Smoke Detection

Smoke detectors in lavatories A (forward), D (aft left) and E (aft right).



Smoke detected in LAV D: the page opens automatically and the lavatory flashes red.

- On a smoke alert the **SMOKE DETECTION page opens automatically**, an aural alert sounds, the message line shows *SMOKE LAV D* and the tab flashes red.
- `SMOKE RESET` (on this page or the hard key) **silences** the aural alert and the cabin indications.
- The FAP **keeps showing the smoke** for as long as the detector still senses it.
- Once no more smoke is detected, the CIDS **clears everything automatically**.

INSTRUCTOR panel – CABIN tab

`SMOKE` makes smoke appear in that lavatory; `EXTINGUISH` simulates the fire being put out (smoke cleared).

Crew actions (cabin crew procedure)

1. Press SMOKE RESET to silence the aural alert.
2. Go to the lavatory. Feel the door with the back of your hand before opening.
3. Locate the source. If fire: get the nearest extinguisher and fight it.

4. Inform the cockpit immediately (interphone).
5. Keep the door closed after extinguishing; monitor for re-ignition.
6. When no more smoke is detected, the CIDS clears all indications.

> **REMEMBER**
> Always follow your airline cabin crew manual.

CHAPTER 11

Seat Settings

Inhibit the call button or reading light of single seats (for example a broken button), and cabin-wide call settings.



SEAT SETTINGS page.

Control	Function
SETTING FOR	`PASSENGER CALL` or `READING LIGHT`: chooses what the page works on.
SEAT ROW / SEAT IDENT.	Select the row and the seat letter (for example 9E).
`INHIBIT` / `CLEAR`	Adds the selected seat to the inhibited list, or clears the selection.
`ENABLE` / `ENABLE ALL`	Re-enables the highlighted seat, or every inhibited seat.
CABIN SETTINGS	CALL INHIBIT (ignores all passenger call buttons), CHIME INHIBIT, and PES ON/OFF (passenger entertainment power).

Seats with an inhibited reading light stay off when R/L SET is pressed on the Cabin Lighting page.

INSTRUCTOR panel – CABIN tab

`PASSENGER PRESSES CALL` simulates a call from a random seat: a high chime sounds, the message line shows *PAX CALL* with the seat, and the SEAT SETTING tab turns amber. `CALL RESET` on the AUDIO page cancels all calls.

CHAPTER 12

System Info

CIDS health and messages.

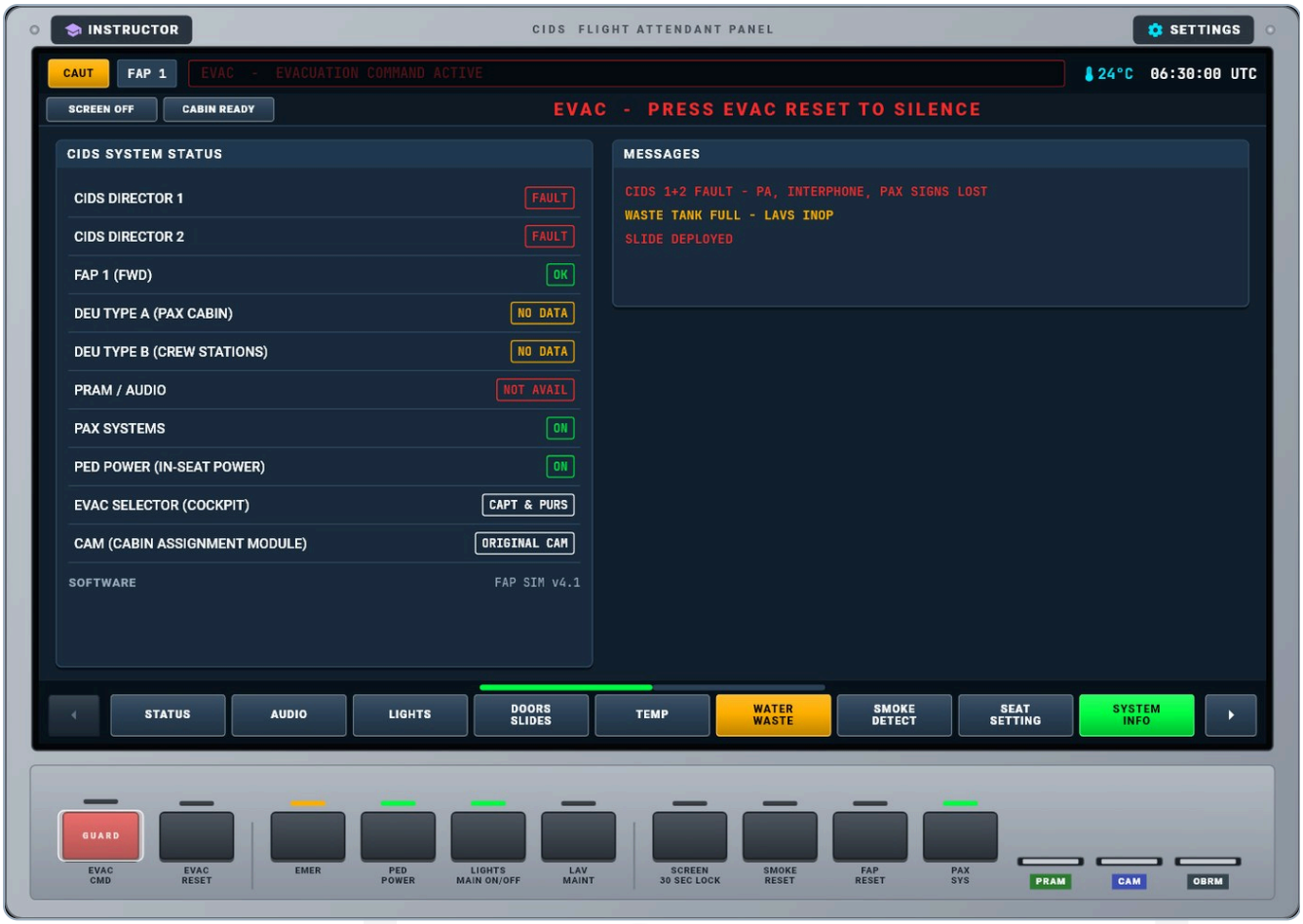


SYSTEM INFO page.

- **CIDS SYSTEM STATUS**: the two CIDS directors (DIR 1 / DIR 2) and which one is active, PAX SYS, the EVAC selector position (CAPT or CAPT & PURS) and the FAP software version.
- **MESSAGES**: current CIDS messages and faults.

INSTRUCTOR panel – AIRCRAFT tab: CIDS faults

`DIR 1 FAULT` / `DIR 2 FAULT` fail a director; the other takes over (amber). With **both** failed the cockpit ECAM shows **CIDS 1+2 FAULT**: PA announcements, interphone and passenger signs are lost and the SYSTEM INFO tab turns red.



Both directors failed: CIDS 1+2 FAULT.

INSTRUCTOR panel – cockpit and automatic events

Control	Simulates
`SELECTOR CAPT / CAPT & PURS`	The cockpit evacuation selector. In **CAPT**, an EVAC CMD from the cabin only sounds the cockpit horn for 3 seconds; in **CAPT & PURS** it triggers the cabin evacuation alert.
`COCKPIT EVAC CMD`	The flight crew sets EVAC COMMAND ON: *EVAC COMMANDED FROM THE COCKPIT*.
`LOW CABIN PRESSURE`	Low cabin pressure (press again for normal pressure). The CIDS switches the cabin lights to BRT, the seat belt and no smoking signs come on, and the PA volume goes up. The oxygen masks are not a FAP function: they drop by themselves or are released from the cockpit.
`RESET SIMULATOR`	INSTRUCTOR > SIMULATOR: restores factory defaults (after a confirmation).



Low cabin pressure and normal power lost: the MESSAGES list.

CHAPTER 13

CAM & Maintenance Pages

The second row of tabs holds the cabin programming and maintenance pages. Most of them are protected by an access code.



ENTER ACCESS CODE keypad before a protected page opens.

Page	Access code (CIDS default)
CABIN PROG, LAYOUT SELECT, LEVEL ADJUST	318
SW LOAD	813
FAP SET-UP	No code

The codes are also shown in INSTRUCTOR > SIMULATOR. **FAP RESET** locks the protected pages again.

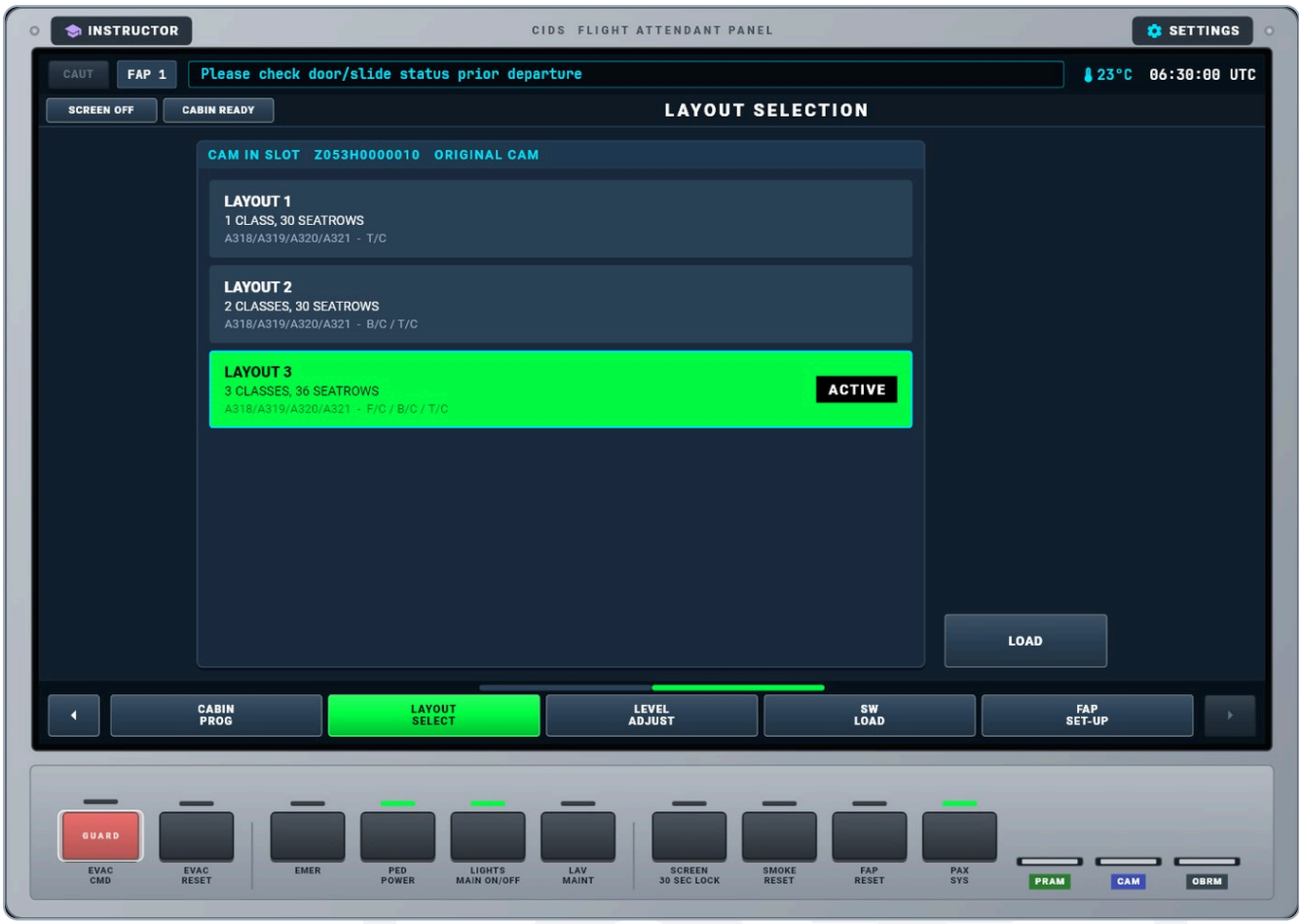
Cabin Programming



CABIN PROGRAMMING.

- **CABIN ZONES**: choose a class boundary and move it by seat rows with the arrow keys; the cabin drawing shows each class with its seat rows.
- **NON SMOKER A/C** `ON/OFF`: the non-smoking aircraft flag.
- `SAVE` writes the programming to the CAM. The layout becomes *MODIFIED* and its change counter goes up. The CAM of the active layout must be in the slot.

Layout Selection



LAYOUT SELECTION: the cabin layouts stored on the CAM in the slot.

Select a layout of the CAM in the slot and press **LOAD** to make it active. The lighting zones, seat rows and level adjustment follow the active layout.

- Layout selection works **on ground only**. In flight the page shows *LAYOUT SELECTION NOT AVAILABLE – IN FLIGHT*.
- Without a CAM in the slot it shows *NO CAM IN SLOT*.
- After a new CAM is inserted, the CIDS keeps the old active layout until a layout of the new CAM is loaded here.



CAM B inserted: its three layouts are listed; the active layout is still from the ORIGINAL CAM.

Level Adjustment



LEVEL ADJUSTMENT.

Announcement and chime loudspeaker levels per cabin zone, attendant area and lavatory, from **−6 to +6 dB**. Press **ADJUST** on a group (cabin zones, attendant areas or lavatories) to show it, pick an area with the arrow keys, and set its ANNOUNCE and CHIME levels with + / −. **DEFAULT** returns the group to +0 dB; **SAVE** stores the levels. Cabin zone levels change how loud PA announcements and chimes play in the simulator.

Software Loading



SOFTWARE LOADING.

Lists the CIDS components with the active software version and the version on the OBRM card in the slot. **Amber**: a different version is waiting to be loaded. **Green**: the CIDS runs the software of the OBRM in the slot. `LOAD SW` loads it; the panel is blocked during loading and the CIDS restarts automatically. Without an OBRM the slot column shows *NONE*.

FAP Set-Up



FAP SET-UP: display, volume, key click and the three cartridges.

DISPLAY brightness, loudspeaker and headphone **VOLUME** (+ / −), and the **TOUCHSCREEN CLICK** (ON/OFF). `DEFAULT` restores the factory values and `SAVE` stores them.

Cartridges: changing a PRAM, CAM or OBRM card

On the A320 the FAP SET-UP page is used to remove and insert the memory cartridges:

Card	Holds	After the change
PRAM	Pre-recorded announcements and boarding music	Ready after OK.
CAM	Cabin layouts, zones and options	Load a layout on LAYOUT SELECTION.
OBRM	CIDS software	Load it on SOFTWARE LOADING.

1. Press `REMOVE` next to the card. The slot becomes EMPTY (on a PRAM, the announcements and music stop).
2. INSTRUCTOR > MAINT. (card case): choose the new card and press `INSERT`. The status shows PRESS OK.
3. Press `OK` on the FAP to finish the change.



PRAM removed: the slot waits for a new card and OK.

Card case	Cards
PRAM	**ORIGINAL** (Jenny, default) · CARD 2 (Aria) · CARD 3 (Michelle) · CARD 4 (Sonia, UK) · CARD 5 (Natasha, AU). Same announcements and music, different female voice.
CAM	**ORIGINAL CAM** (1, 2 and 3 classes) · CAM B (high density: 1 class 31 rows, 2 classes 29 rows, 2 classes 28 rows).
OBRM	037A (older software) · **037B** (newer software, in the slot at start).

MAINTENANCE TASK

On the aircraft, maintenance or the airline changes the cards. Cabin crew do not change them in flight. RESET SIMULATOR (INSTRUCTOR > SIMULATOR) puts the original cards back.

CHAPTER 14

Hard Keys

Ten physical keys below the touchscreen. A light above each key shows when its function is on. Hard keys keep working while the touchscreen is locked.

Key	Function
EVAC CMD	Evacuation command, under a hinged **guard**: the first tap lifts the guard, then press the key. With the cockpit selector in CAPT & PURS the evacuation alert sounds in the cabin; in CAPT only the cockpit horn sounds for 3 s. Tapping the lifted guard closes it.
EVAC RESET	Silences the EVAC tone at this station and clears the EVAC indications.
EMER	Cabin emergency lighting on/off. The light above it also shows emergency lights switched on from the cockpit or by themselves (ARM, normal power lost).
PED POWER	Passenger in-seat power supply on/off.
LIGHTS MAIN ON/OFF	General cabin illumination on/off (same as MAIN ON/OFF on the lighting page).
LAV MAINT	Lavatory lights full bright for maintenance.
SCREEN 30 SEC LOCK	Disables the touchscreen for 30 seconds so it can be cleaned (CLEAN FUNCTION with a countdown).
SMOKE RESET	Silences the lavatory smoke alert (Chapter 10).
FAP RESET	Restarts the FAP computer. Only the screen restarts; the cabin systems keep their state. Protected pages are locked again.
PAX SYS	Passenger system power on/off.



SCREEN 30 SEC LOCK: clean function countdown.

Card slots

PRAM pre-recorded announcements · **CAM** cabin assignment module (layouts and cabin programming) · **OBRM** on-board replaceable module (software loading). A light card edge shows a card in the slot; an empty slot is dark. Cards are changed on FAP SET-UP.

CHAPTER 15

Training Drills

Suggested classroom exercises. The instructor creates the situation in the INSTRUCTOR panel; the student responds with the FAP keys only.

Drill 1 – Boarding

1. LIGHTS: GENERAL `BRT`, MAIN on, ATTND on.
2. AUDIO: select a music channel and press `ON/OFF`; adjust VOL.
3. When boarding is complete, play `010` Welcome aboard with DIRECT PLAY, then stop the music.

Drill 2 – Arm slides and cross-check

1. Instructor: `ARM SLIDES X-CHECK` (or arm individual doors with AT DOOR).
2. Student: open DOORS/SLIDES and confirm every door shows CLOSED + ARMED (green).
3. Report any door not armed; the message line reminds *Please check door/slide status prior departure*.
4. Press `CABIN READY` once the cabin is secured.

Drill 3 – Pre-departure announcements

1. AUDIO: add `020`, `040` and `050` to MEMO with `←`; order them with ▲ / ▼.
2. Press `PLAY ALL`, or `PLAY NEXT` one at a time.
3. LIGHTS: set `DIM 2` for a night take-off.

Drill 4 – Lavatory smoke

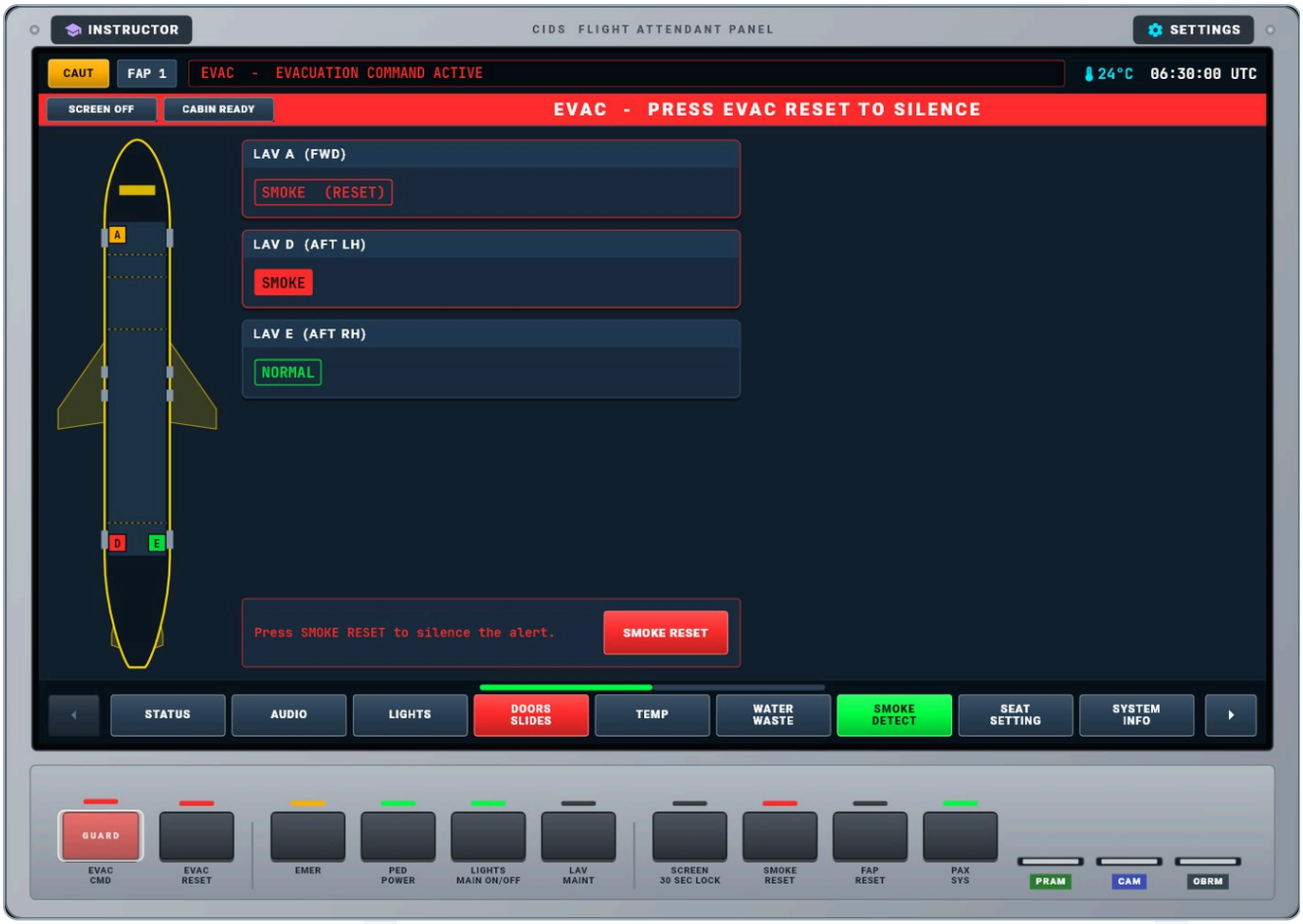
1. Instructor: INSTRUCTOR > CABIN `SMOKE` on a lavatory.
2. Student: the page opens automatically; press `SMOKE RESET`.
3. Follow the six crew actions (Chapter 10) and inform the cockpit.
4. Instructor: `EXTINGUISH`; the CIDS clears the alert automatically.



After SMOKE RESET the alert is silenced but the smoke is still shown until it clears.

Drill 5 – Evacuation

1. Instructor: set the selector to **CAPT & PURS** (SYSTEM INFO), or use `COCKPIT EVAC CMD`.
2. Student: lift the guard and press `EVAC CMD`. The evacuation alert sounds and the title bar flashes red.
3. Press `EVAC RESET` to silence the tone at this station.
4. Repeat with the selector in **CAPT**: only the cockpit horn sounds for 3 s.



EVAC – PRESS EVAC RESET TO SILENCE.

Drill 6 – Slide deployment

1. With slides armed, the instructor opens a door with AT DOOR `OPEN`.
2. Student: identify the red SLIDE DEPLOYED alarm and the door concerned, and report it.
3. Instructor: `RESET DRILL`.

Drill 7 – Passenger call and seat inhibit

1. Instructor: `PASSENGER PRESSES CALL` several times.
2. Student: read the seats on the message line or the Audio page, answer them, then `CALL RESET`.
3. Inhibit the call button of a "broken" seat on SEAT SETTINGS.

Drill 8 – Water / waste and CIDS faults

1. Instructor: `ADD WASTE +10%` until the tank is full; student identifies the INOP lavatories and presses RESET WARN.
2. Instructor: `DIR 1 FAULT`, then `DIR 2 FAULT`; student explains the CIDS 1+2 FAULT consequences (no PA, interphone or signs; no light control, full bright after 3 minutes).

Drill 9 – Signs, lavatory call and cockpit PA

1. Instructor (INSTRUCTOR > COCKPIT): FLIGHT PHASE `FLIGHT`, SEAT BELTS `ON`. Student: hears the low chime and reads the PASSENGER SIGNS tile.
2. Instructor: `LAV D` call. Student: CAUT flashes and *SELECT AUDIO PAGE* appears; press CAUT, read the call, press `CALL RESET`.
3. Student: start an announcement. Instructor: `COCKPIT PA`. Student: explains why the PRAM stopped (cockpit PA priority).

Drill 10 – Low cabin pressure and emergency lights

1. Instructor: LOW CABIN PRESSURE (SYSTEM INFO). Student: lights BRT, signs on, PA louder.
2. Instructor: EMER EXIT LT `ARM`, then `NORMAL POWER LOST`. Student: the emergency lights are on by themselves (EMER light lit).

Drill 11 – Card change (no PRAM)

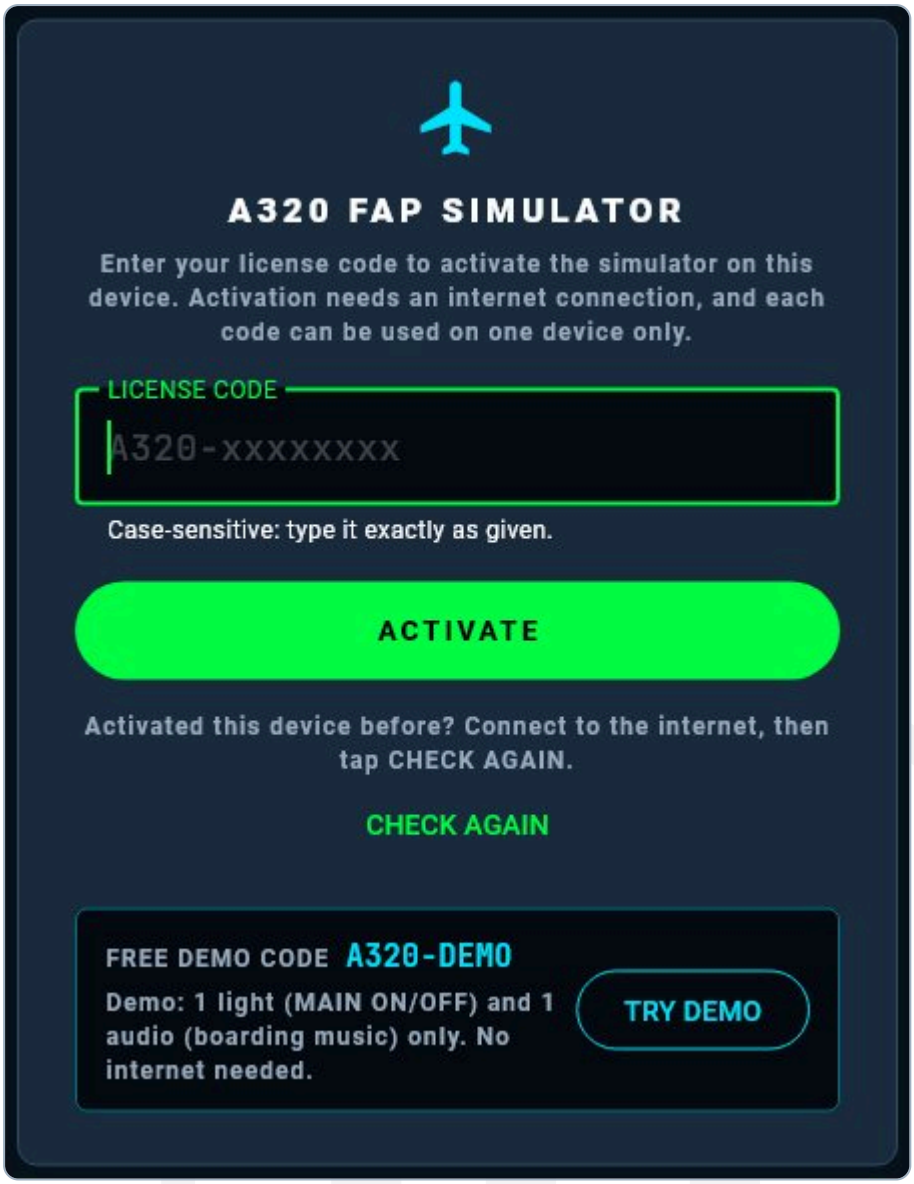
1. Instructor: FAP SET-UP, `REMOVE` the PRAM. Student: the AUDIO page shows NO PRAM CARD; explain how announcements are made without a PRAM (handset).
2. Instructor: insert another PRAM card and press `OK`; play an announcement with the new voice.
3. Instructor: change the CAM to CAM B. Student: load one of its layouts on LAYOUT SELECTION (ground only) and check the new zones on CABIN LIGHTING.

CHAPTER 16

Troubleshooting & FAQ

License messages

Message	What to do
Invalid license code.	Check the code letter by letter: capital and small letters matter.
This code has already been used on another device.	Each code works on one device only. Ask your instructor for a new code.
Too many attempts.	Wait 15 minutes, then try again.
No internet connection.	Activation must be done online. Connect to Wi-Fi or mobile data.
That is the demo code.	A320-DEMO only opens the demo. Enter your license code to unlock everything.



Offline after a reinstall: connect and tap CHECK AGAIN.

Common questions

Do I need internet in the classroom?

No. Internet is needed only once, to activate the license code. After that the simulator runs fully offline.

I uninstalled the app. Do I need a new code?

No. Install it again on the same tablet and open it while online; it is restored automatically. A factory reset counts as a new device.

I have a new tablet. Can I keep my code?

Yes. Ask your instructor or administrator to release the code, then enter the same code on the new tablet.

The app went back to the activation screen by itself.

The administrator released the license for another device. Enter a valid code to activate again.

How do I get a new version?

The app offers it when it starts (internet needed), or use ⚙ SETTINGS > CHECK FOR UPDATES, then UPDATE NOW. The license stays active.

There are no announcements or boarding music.

Check FAP SET-UP: the PRAM card may have been removed. Insert one and press OK, or use RESET SIMULATOR (INSTRUCTOR > SIMULATOR).

LAYOUT SELECT says it is not available.

Layout selection works on ground only, with a CAM in the slot. Set FLIGHT PHASE to GROUND in INSTRUCTOR > COCKPIT, or insert a CAM on FAP SET-UP.

A page asks for an access code.

CABIN PROG, LAYOUT SELECT and LEVEL ADJUST use `318`; SW LOAD uses `813`.

The screen is black.

SCREEN OFF is active: touch the screen to wake it. During SCREEN 30 SEC LOCK, wait for the countdown.

There is no sound.

Check the tablet volume, MUTE in INSTRUCTOR > SIMULATOR, CHIME INHIBIT, the loudspeaker volume in FAP SET-UP, and the levels in LEVEL ADJUST.

How do I start a drill again from the beginning?

Use RESET DRILL in INSTRUCTOR > DOORS, or RESET SIMULATOR in INSTRUCTOR > SIMULATOR to restore all factory defaults.

CHAPTER 17

Important Notice & Disclaimer

This software (A320 FAP Simulator) is developed by Overdrive Interactive for academic, familiarization, and educational training purposes only.

1. **NOT AN OFFICIALLY CERTIFIED FTD:** This application is a classroom supplement and is NOT certified by Airbus, FAA, EASA, CAAP, or any civil aviation authority for official type-rating or flight training credits.
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> **ALWAYS**
> Follow your airline's cabin crew operations manual and your instructor's procedures.

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