

FLYSIMWARE

— FLY THE VINTAGE SKIES —



C-24-R

Version 1.4

NOTE: The Xbox version will not include the TDS GTN750Xi due to limitations!

NOTE: Some switches, button and knobs should not use the default sim bindings. We include a hardware binding documentation included in our download zip file if you purchased from an online store. If you purchased through the sim marketplace you can get all of our documentation from our main website product page called MSFS PC & Xbox help files.

NOTE: Product support and update information can be found on Flysimware's Discord Community.

To report bugs or find solutions please locate the PRODUCT SUPPORT section!

Discord link.

<https://flysimware.com/website2019/contact/>

Technical Specifications

C-24-R

Exterior

Exterior Height: 8ft 5 inches
Wing Span: 32 ft 9 inches
Length: 25 ft 9 inches

Interior

Cabin Volume: 110 cubic ft
Internal Baggage: 200 lb

Occupancy

Crew: 1
Passengers: 0-3

Operating Weights

Max T/O Weight: 2758 lbs
Max Landing Weight: 2750 lbs
Usable Weight: 872 lbs
Empty Weight: 1886 lbs
Fuel Capacity: 59.8 gal
Payload W/Full Fuel: 513.2 lbs
Max Payload: 692 lbs

Range

Range: 660nm
Service Ceiling: 14000 ft

Distances

Takeoff Distance: 1860 ft
Balanced Field Length: 1860 ft
Landing Distance: 1320 ft

Performance

Rate of Climb: 891 fpm
Max Speed: 142 ktas
Cruise Speed: 135 ktas
Economy Cruise: 125 ktas
Endurance Cruise: 115 ktas

Power Plant

Engines: 1
Horse Power: 200 hp
Engine Mfg: Lycoming
Engine Model: IO-360-A1B6

COCKPIT

OVERVIEW OF PANELS

All Panels

Main Panel

MAIN PANEL

G3X GNS 530 (WT LOGIC)

G3X TDS GTN 750XI (WT LOGIC)

G3X PMS50 GTN 750 (WT LOGIC)

G5 GNS 530 (WT LOGIC)

G5 TDS GTN 750XI (WT LOGIC)

G5 PMS50 GTN 750 (WT LOGIC)

STEAM GNS 530

STEAM GTN 750XI

STEAM GTN 750

Common Panel

Pilot Lower Panel

Copilot Lower Panel

Temperature Gauge

CENTER PEDESTAL

GENERAL COCKPIT

Sun Visors Type 1

Sun Visors Type 2

Electronic Flight Bag Tablet

COCKPIT

DETAILED INFORMATION

CGR-30P Engine Display

CGR-30C Engine Display

TRANSPONDER GTX 345 UNIT

CENTURY 2000

C24R Bindings

GENERAL COCKPIT

Throttle Quadrant

Pedestal

Pilot Yoke

Glareshield

Fuel Selector

Emergency Gear Extension Door

Emergency Alternate Air

Pilot & Copilot Doors

Ceiling Panel



INTERIOR

PASSENGERS & LUGGAGE

Rear Door

Floor Storage

INTERIOR

DETAILED INFORMATION

EXTERIOR

AIRCRAFT

Pilot Door

Pilot Door Open

Copilot Door

Copilot door open

Rear Door

Rear Door Open

Cowl Cover

Top Cover

Tail Cover

Ground Power Unit

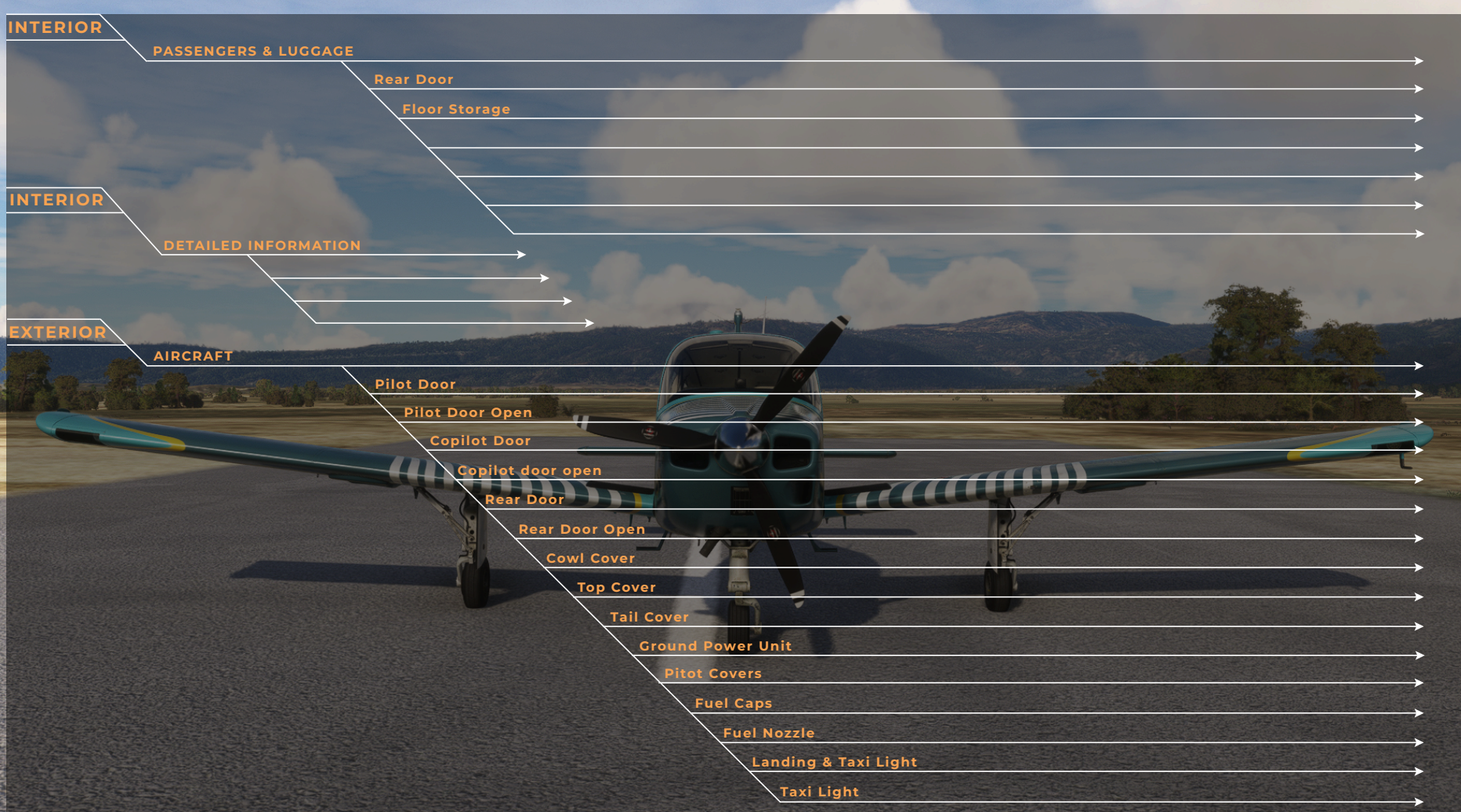
Pitot Covers

Fuel Caps

Fuel Nozzle

Landing & Taxi Light

Taxi Light



EXTERIOR

AIRCRAFT

Navigation & Strobe Light

Beacon & Navigation Light

Chocks

Upper & Lower Engine Cowling

Oil Cover / Cap

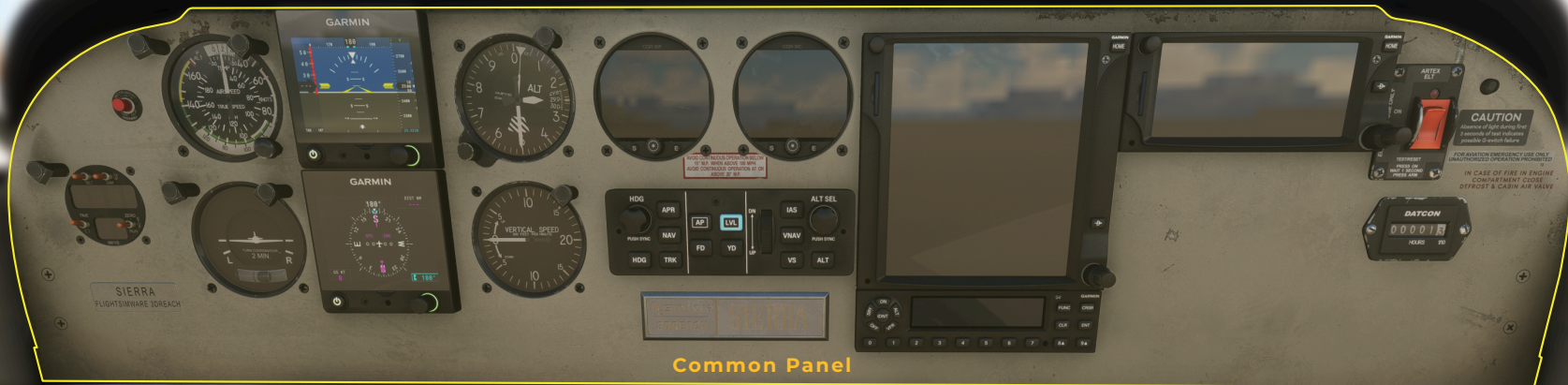
Tiedowns



All Panels



Main Panel



Common Panel



Pilot Lower Panel



Copilot Lower Panel

G3X GNS 530

GARMIN G5

GARMIN

SIERRA
FLIGHTSIMWARE 3DREACH

GARMIN G3X
TOUCH

GARMIN

RESET MENU BACK

GARMIN GNS
530



GARMIN GFC
500

GARMIN GNS
430



GARMIN GMA
340

FLIGHTSIMWARE
3DREACH SIERRA

GARMIN GTX
345

[Click here for detailed info.](#)



G3X TDS GTN 750XI

GARMIN G5

GARMIN G3X
TOUCH

GARMIN GTN
750XI (TDS)

GARMIN GTN
650XI (TDS)

GARMIN GTX
345

[Click here for detailed info.](#)

GARMIN GFC
500

G3X PMS50 GTN 750

GARMIN G5

GARMIN

SIERRA
FLIGHTSIMWARE 3DREACH

GARMIN G3X
TOUCH

GARMIN

GARMIN GTN
750 (PMS50)

GARMIN GTN
650 (PMS50)

GARMIN GMA
340

GARMIN GTX
345

GARMIN GFC
500



[Click here for detailed info.](#)

G5 GNS 530



G5 TDS GTN 750XI



STEAM GNS 530

FUEL PRESSURE & FUEL FLOW GAUGE

Fuel Pressure: Displays in inches of Mercury

Fuel Flow: Displays in Gallons per hour

RPM & ENGINE HOURS GAUGE

RPM: Displays in Hundreds

Engine hours: Displays down to 100th of an hour

AI

Attitude Indicator
Tune knob to set attitude bars height

ALT

Altimeter Indicator
Displays in feet

ASI

Airspeed Indicator
Displays in MPH and KNOTS
Tune knob to current temperature to calibrate

[Click here for detailed info.](#)

CLOCK/FLIGHT TIMER

GARMIN GTN 750 (PMS50)

GARMIN GNS 650 (PMS50)

T&B

Turn & Bank Indicator
2 minute turn

VSI

Vertical Speed Indicator

VOR

VHF Omnidirectional Range Indicator

VACUUM

Displays in inches of Mercury

HSI

Heading Situation Indicator

CENTURY 2000

[Click here for detailed info.](#)

EGT

Exhaust Gas Temperature Gauge

GARMIN GTX 345

[Click here for detailed info.](#)

STEAM GTN 750 XI

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GARMIN GTX 345

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Common Panel



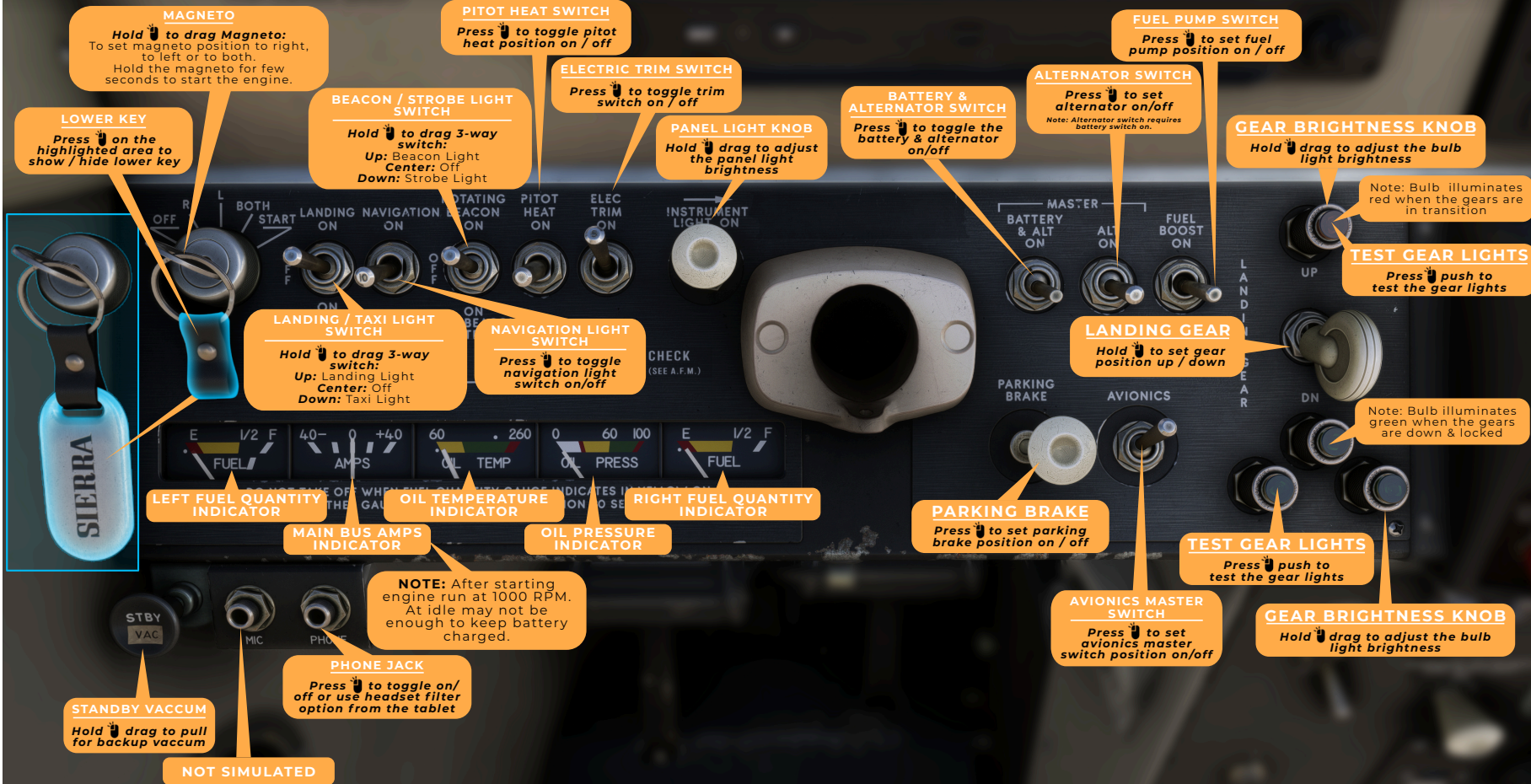
TAIL NUMBER

EMERGENCY LOCATOR TRANSMITTER (ELT)

Press to set ELT position to arm or on.

DATCON HOUR METER

Pilot Lower Panel



MAGNETO

Hold to drag Magneto:
To set magneto position to right,
to left or to both.
Hold the magneto for few
seconds to start the engine.

PITOT HEAT SWITCH

Press to toggle pitot
heat position on / off

ELECTRIC TRIM SWITCH

Press to toggle trim
switch on / off

FUEL PUMP SWITCH

Press to set fuel
pump position on / off

ALTERNATOR SWITCH

Press to set
alternator on/off
Note: Alternator switch requires
battery switch on.

GEAR BRIGHTNESS KNOB

Hold drag to adjust the bulb
light brightness

Note: Bulb illuminates
red when the gears are
in transition

TEST GEAR LIGHTS

Press push to
test the gear lights

LOWER KEY

Press on the
highlighted area to
show / hide lower key

BEACON / STROBE LIGHT SWITCH

Hold to drag 3-way
switch:
Up: Beacon Light
Center: Off
Down: Strobe Light

PANEL LIGHT KNOB

Hold drag to adjust
the panel light
brightness

BATTERY & ALTERNATOR SWITCH

Press to toggle the
battery & alternator
on/off

LANDING / TAXI LIGHT SWITCH

Hold to drag 3-way
switch:
Up: Landing Light
Center: Off
Down: Taxi Light

NAVIGATION LIGHT SWITCH

Press to toggle
navigation light
switch on/off

LEFT FUEL QUANTITY INDICATOR

OIL TEMPERATURE INDICATOR

RIGHT FUEL QUANTITY INDICATOR

MAIN BUS AMPS INDICATOR

OIL PRESSURE INDICATOR

NOTE: After starting
engine run at 1000 RPM.
At idle may not be
enough to keep battery
charged.

PHONE JACK

Press to toggle on/
off or use headset filter
option from the tablet

STANDBY VACCUUM

Hold drag to pull
for backup vacuum

NOT SIMULATED

PARKING BRAKE

Press to set parking
brake position on / off

TEST GEAR LIGHTS

Press push to
test the gear lights

GEAR BRIGHTNESS KNOB

Hold drag to adjust the bulb
light brightness

AVIONICS MASTER SWITCH

Press to set
avionics master
switch position on/off

Copilot Lower Panel

FLAPS SWITCH
Hold  to position the flaps up / down



FLAPS INDICATOR

CIRCUIT BREAKERS G5 PANELS

Press  to toggle on/off
Note: All of the circuit breakers are precisely simulated



CIRCUIT BREAKERS G3X PANELS

Press  to toggle on/off
Note: All of the circuit breakers are precisely simulated



PHONE JACK
Press  to toggle on/off or use headset filter option from the tablet

NOT SIMULATED

Temperature Gauge

Note: The temperature gauge has different placement on the steam and glass panels.



CYCLE = 5, 10, 15, 20, 25, 30 (cycles to these timer times in minutes and also resets the timer when changing)

RESET = stops the beeping when the timer has run out and resets the timer back to the full selected time or powers the unit on.

RESET = hold for 3 seconds to power the unit off

°F / °C = toggles between Fahrenheit and Celsius (save state)

Throttle Quadrant

THROTTLE LEVER

Hold  drag to adjust throttle lever

MIXTURE LEVER

Hold  drag to adjust mixture lever

PROPELLOR LEVER

Hold  to adjust propellor RPM control

Press  to show / hide quadrant levers

CABIN AIR
PULL ON

CABIN AIR PULL

Hold  drag to open / close the cabin air valve

CABIN
HEAT
PULL ON

CABIN HEAT PULL

Hold  drag pull to open / close the cabin heat valve

DEFROST
PULL ON

DEFROST KNOB

Hold  drag pull to open / close the windshield defrost valve

Pedestal



Pilot Yoke / Elevator Trim



NOT SIMULATED

NOT SIMULATED

PITCH TRIM

Hold drag the button up/down to adjust pitch trim

Note: You can adjust the pitch trim using the yoke button or the elevator trim wheel located between the seats.



Click the highlighted area to hide / unhide the yoke

Click the highlighted area to unmount the lock pin for yoke

Click the highlighted area to mount the lock pin for yoke

REMOVE BEFORE FLIGHT

CYGNET AEROSPACE

ELEVATOR TRIM WHEEL

TAKE OFF RANGE

MAX TRIM UP

MAX TRIM UP

ELEVATOR TRIM INDICATOR

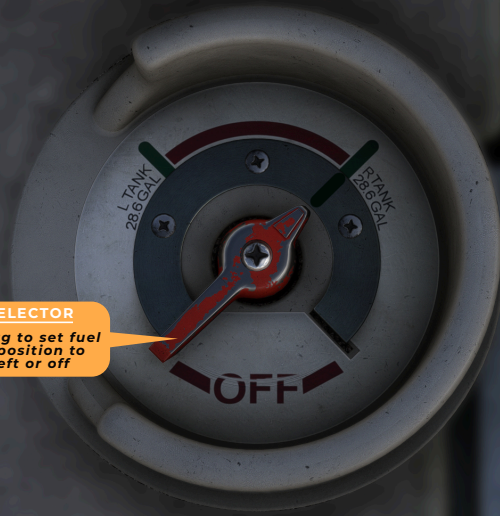
COMPASS



Fuel Selector

FUEL SELECTOR

Hold  drag to set fuel selector position to right, left or off



Emergency Gear Extension Door



Emergency Alternate Air



ALTERNATE AIR

Press  to toggle the alternate air emergency source

Pilot & Copilot Door



PILOT DOOR HANDLE

Press  to open / close



COPILOT DOOR HANDLE

Press  to open / close

Celing Panel

MAP LIGHT COVER

Press  to cover /
uncover

OVERHEAD PANEL LIGHT

CABIN LIGHT SWITCH

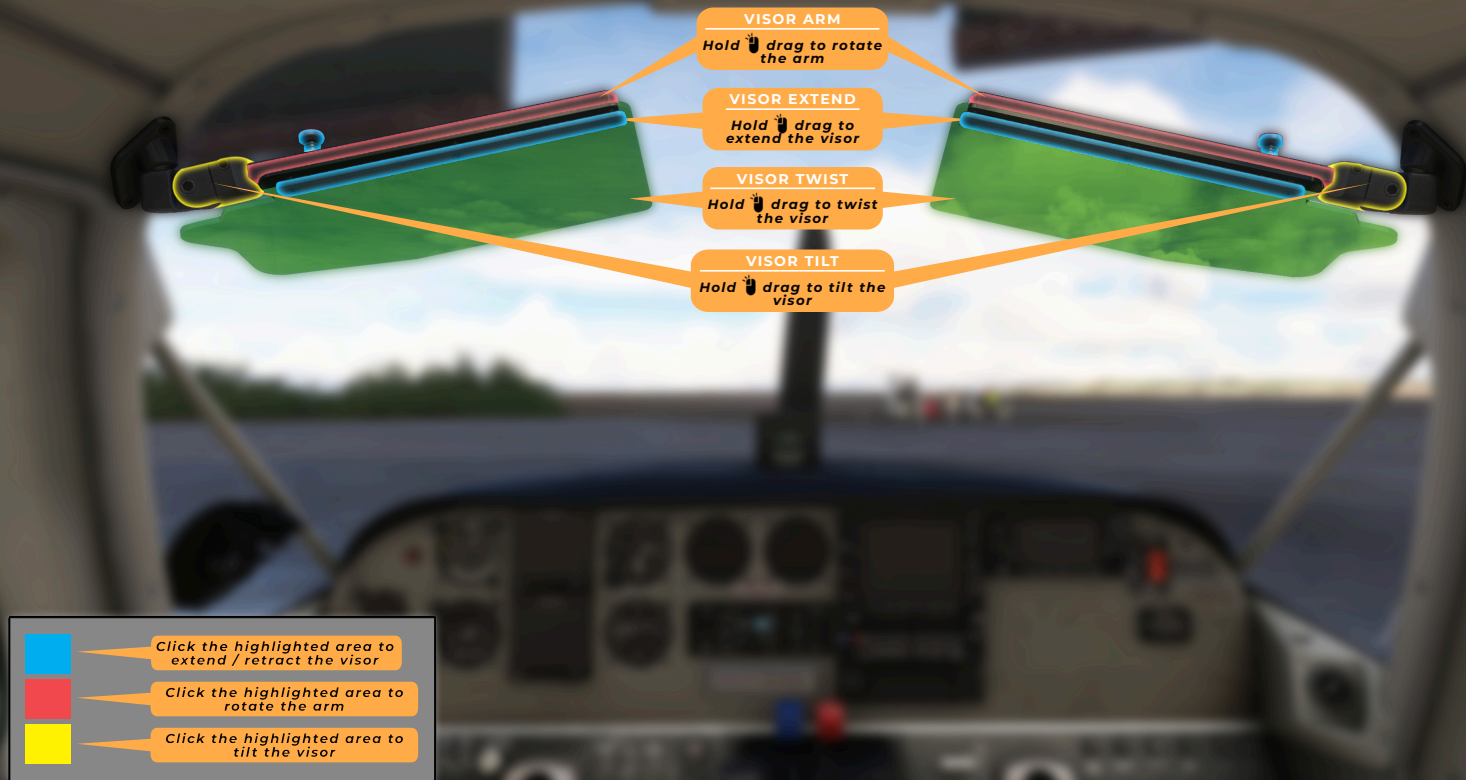
Press  to toggle
cabin light on / off

COCKPIT CABIN LIGHT

Sun Visors Type 1



Sun Visors Type 2



Electronic Flight Bag Tablet



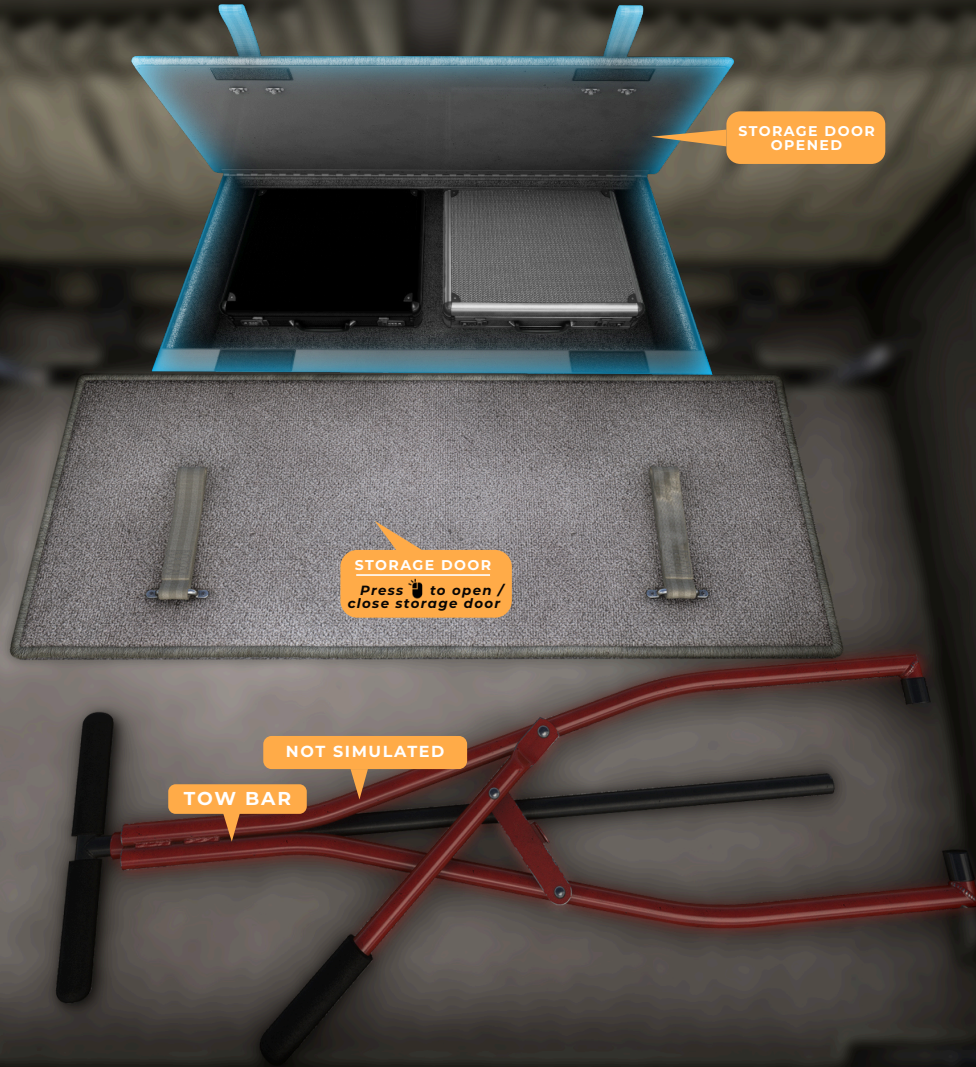
[Click for the detailed info.](#)

Rear Door

REAR DOOR HANDLE

Press  to open /
close rear door

Floor Storage



Pilot Door



Pilot Door Open



PILOT DOOR

Use tablet to close
pilot door

Copilot Door

COPILOT DOOR
Use tablet to open
copilot door

Copilot Door Open



COPILOT DOOR

Use tablet to close
copilot door

Rear Door

REAR DOOR

Use tablet to open
rear door

Rear Door Open

REAR DOOR OPEN
Use tablet to close
rear door

Engine Cover



Top Cover



TOP COVER

Use tablet to put /
remove top cover

Tail Cover



Ground Power Unit



Access this GPU from the EFB Tablet.

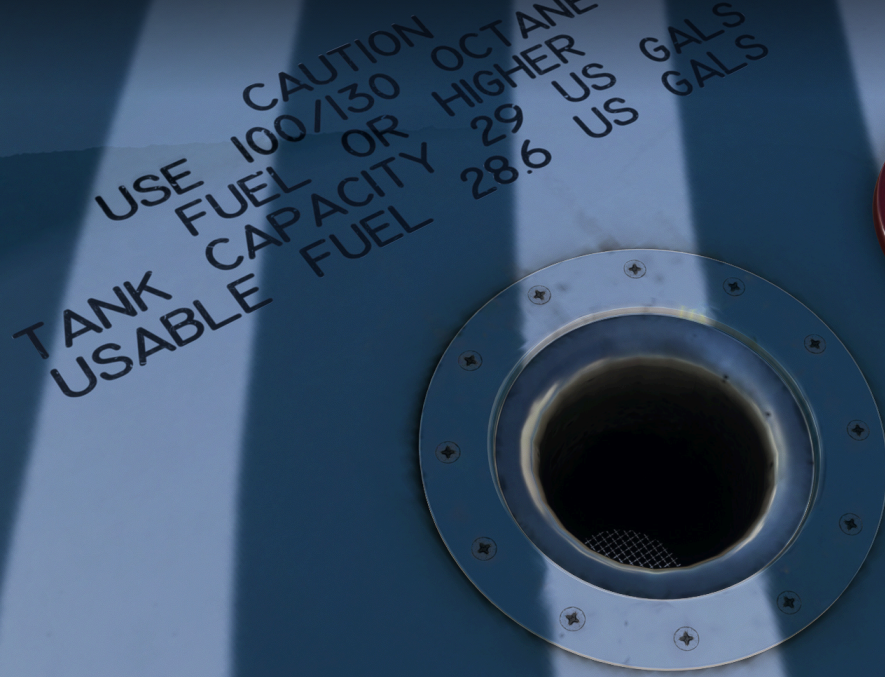
Pitot Cover



L.PITOT COVER
Use tablet to place or
remove

REMOVE
BEFORE FLIGHT

Fuel Cap



Fuel Nozzle

FUEL NOZZLE

Shows when you call the fuel truck from ATC

CAUTION OCTANE
USE 100/130
FUEL OR HIGHER
CAPACITY 29 US
FUEL 28.6 US GAL'S
GAL'S

Request fuel supply services from the ground crew through ATC

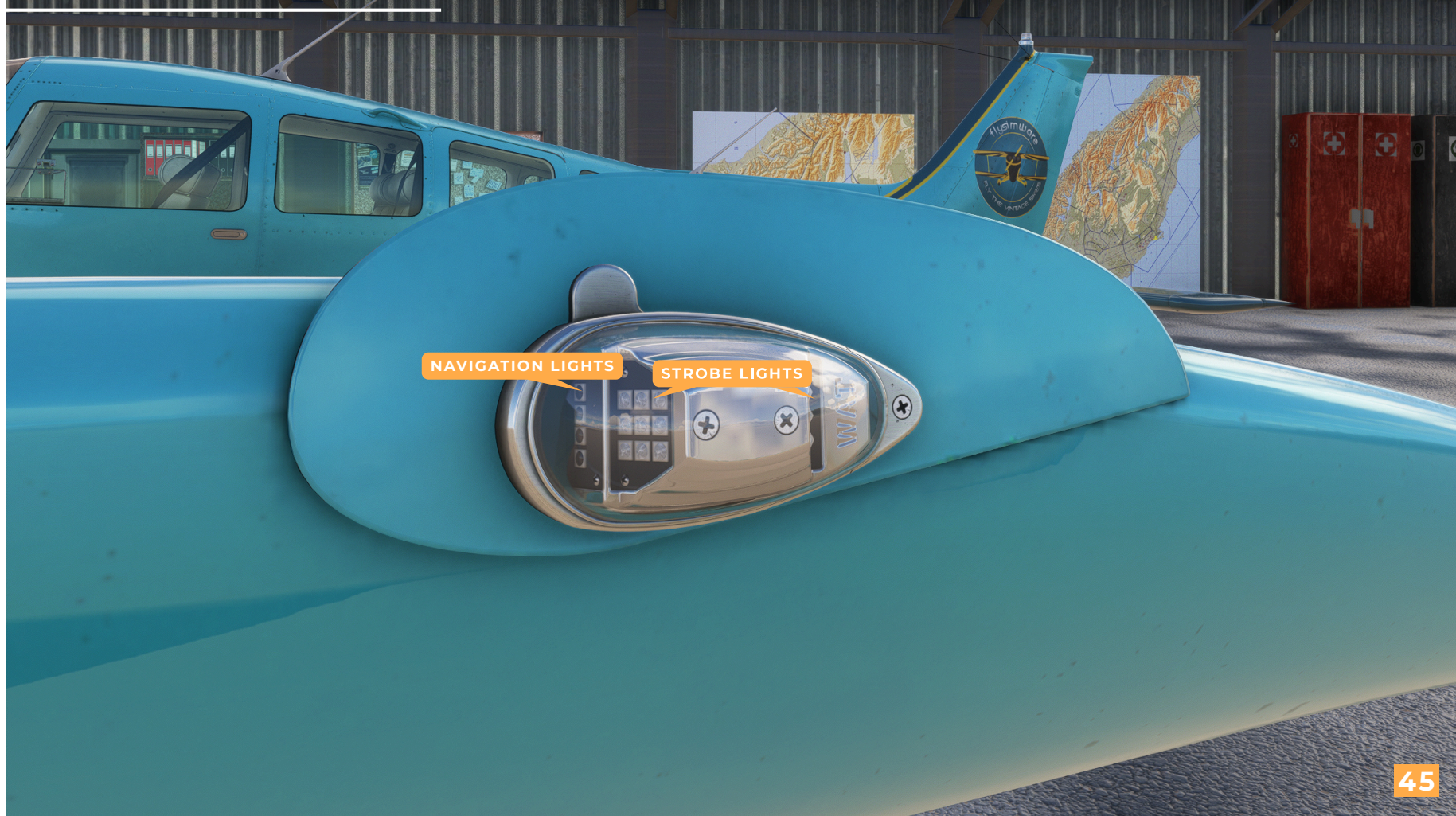
Landing & Taxi Light



Taxi Light

R. TAXI LIGHT

Navigation & Strobe Light



Beacon & Navigation Light



BEACON LIGHT

NAVIGATION LIGHT

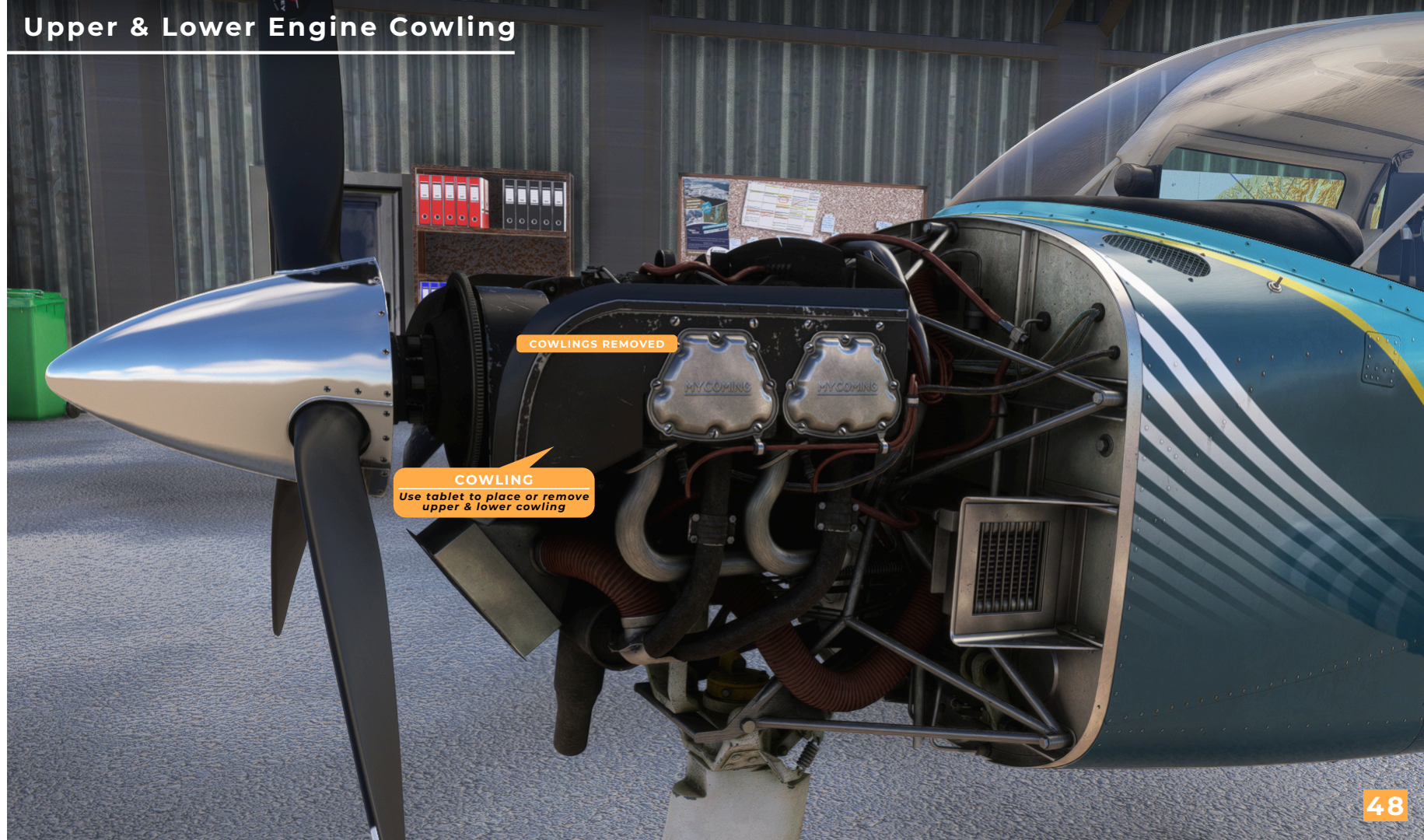
Chocks



CHOCKS

Use tablet to place or remove

Upper & Lower Engine Cowling



COWLINGS REMOVED

COWLING

Use tablet to place or remove
upper & lower cowling

Upper & Lower Engine Cowling



Oil Cover / Cap

OIL CAP

Use tablet to open oil cap to check the oil level

OIL COVER

Use tablet to open oil cover



Tiedowns



L. TIE DOWN
Use tablet to place or
remove

EFB Tablet Detailed Info.

HOTSPOT
Replace battery

HIDE EFB TABLET

Note: Tablet stores to the left side of the pilot. Click the camera again to mount the tablet.

POWER BUTTON

Return

EFB Tablet Detailed Info.

PARKING MODE

Press the buttons to turn them on/off
Note: Parking modes include a save state

DOORS

Press the buttons to open / close the doors

MAINTENANCE & OTHERS

Press the buttons to turn them on/off

CABIN LIGHTS

Press the buttons to turn lights on/off

What is save state: Upon exiting the flight, the system will save your current position, allowing you to resume from the same point when you return.

Return

EFB Tablet Detailed Info.

WINDSPEED DISPLAY INFORMATION

The windspeed display provides real-time information on the current wind speed in knots (kts). This information is crucial for monitoring weather conditions and ensuring safe operation of the aircraft.

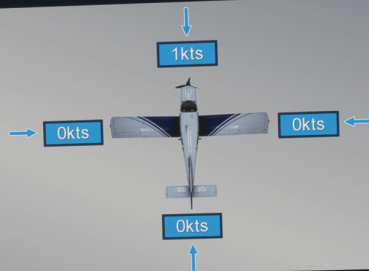
RELATIVE WIND INFORMATION

The concept of relative wind involves the direction of the airflow in relation to an aircraft in motion. An arrow representing the relative wind direction would rotate to indicate this airflow direction as it varies with the aircraft's orientation and movement through the air.

03:17
UTC

WEATHER INFORMATION

WINDSPEED DISPLAY



RELATIVE WIND



066° 002.0 kts

TEMP/PRESSURE

AMBIENT TEMP	50 F°
	10 C°
PRESSURE MSL	29.92 inHg
	1013 mbar
BAROMETER PRESSURE	27.31 inHg
	925 mbar



TEMP/PRESSURE INFORMATION

The Ambient temp. display indicates temperature of air surrounding the aircraft. This is reported in Celsius (°C) or Fahrenheit (°F).

The pressure at mean sea level (MSL) refers to the atmospheric pressure measure at the average sea level. Pressure at MSL is typically measure in units such as inches of mercury (inHg) or millibars (mbar).

The barometer pressure is information is used to set altimeters, which measure the aircraft's altitude above sea level. It is measure in the same units as the pressure at MSL.

Return

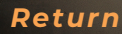
EFB Tablet Detailed Info.



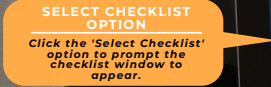
PASSENGER AND BAGGAGE DISPLAY CONTROL

Use the "On/Off" button on the tablet to show or hide the pilot, copilot, passengers, and baggage based on the desired configuration and weight distribution.

[Return](#)



You can also change the units from gallons(GAL) to liters(L) and pounds(LBS) to kilograms(KG) in the settings tab.



Return

EFB Tablet Detailed Info.

CHECKLIST

Carefully select each checklist option to ensure comprehensive inspection and readiness across all Pre-flight, Prestart, Start, Before taxi, Taxi&before takeoff, Runway lineup, After takeoff, Climb, Cruise, Descent, Approach & final, After landing, and Shutdown procedures.



[Return](#)

EFB Tablet Detailed Info.

Note: The settings panel includes a save state

AVIONICS

Use these options to choose panel type, choose engine gauge and gps units.

UNITS CONTROL INSTRUCTIONS

"Activate the option to switch the default units to standard/metric."

"Activate the option to switch the time format"

"Activate the option to switch the quantity/weight format"

CUSTOM BINDINGS

Click on the custom bindings button to access the bindings page

Click here for detailed info.

18:47
UTC

SETTINGS



AVIONICS

Choose Panel Type

G5 Panel Steam Panel

Choose Engine Gauge (Requires Steam)

CGR Gauges Analog Gauges

Choose GPS Unit

GNS530 GTN750 GTN750Xi



UNITS

- ☐ STD Standard/Metric
- ☐ 12H 12/24 Clock Hours
- ☐ QTY Quantity/Weight



OPTIONS

- ☐ Payload Sync
- ☐ Fuel Save State
- ☐ Show Passengers
- ☐ NEW Sun Visor Type
- ☐ TANK Tank Timer

OPTIONS

"Options include payload sync, fuel save state, showing passengers, sun visor type and tank timer."



SOUNDS

☐ Tablet Click Sound

SOUNDS CONTROL INSTRUCTIONS

You can turn on or off the following sounds:

Disable Tablet Click Sound
Use the corresponding controls to manage these sound settings as needed.

What is save state: When exiting the flight, the system will save your current park modes and all function on the options page, allowing you to resume these save states when you load a new flight.

Return

EFB Tablet Detailed Info.



[Return](#)

Davtron Clock Detailed Info.

TIME DISPLAY
In hours & minutes

TIME CORRECTION - THREE WAY SWITCH
Makes minor time corrections

BRIGHTNESS & HOUR CHANGE - THREE WAY SWITCH

Left Position: Sets display brightness for day time

Middle Position: Sets display brightness for night time

Right Position: Momentary position that increases the clock time by 1 hour for every time the switch is moved to this position.
Note: Right click toggle the clock mode between 12 or 24 hour format only if the battery switch is off

CHANNEL SELECTOR - THREE WAY SWITCH

Up position: Selects real time. This channel may be set to GMT time or local time. Use time correction and hour change to set GMT or local time. Note: To change clock mode between 12 or 24 hour format, go to the setting page on the tablet

Middle Position: Select flight time

Right Position: Select elapsed time

TIME DISPLAY
In seconds

ELAPSED TIME METER - THREE WAY SWITCH

Up position: Is a momentary position and sets the elapsed time meter to zero. The switch returns to middle position when released. Note: Up position will zero flight time only if both inverters switches are off

Middle Position: Stops the elapsed time meter

Right Position: Starts the elapsed time meter

Return

GTX 345 Transponder

For more detailed information

[Click here to download](#)

(Right click for options to open a new tab)

Garmin GTX 330 Manual PDF

DISCLAIMER: ALTHOUGH THE BEZEL IS A GTX 345 IN THIS PRODUCT

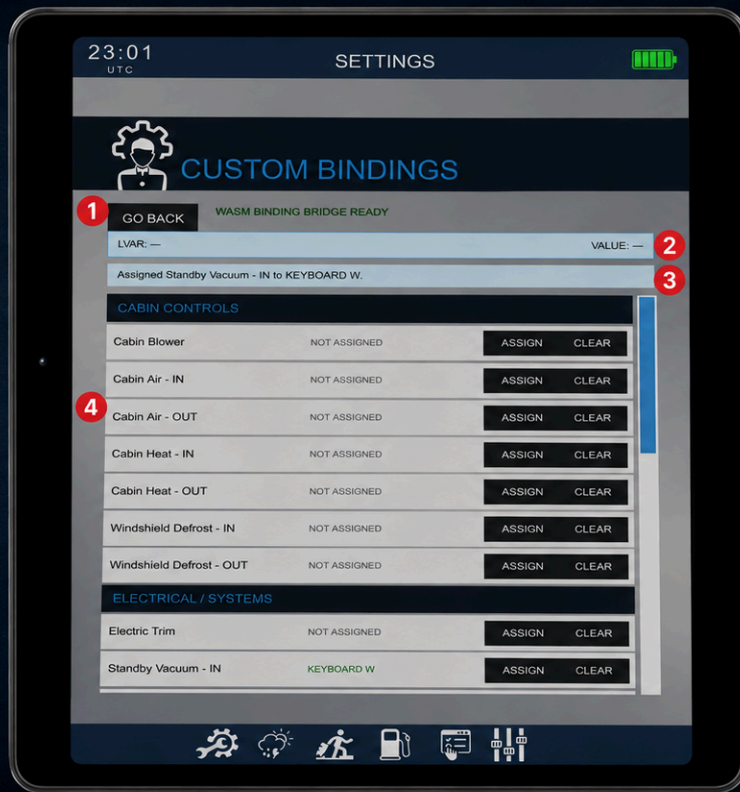
THE CODE IS FROM THE ASOBO GTX 330



[Return](#)

Sierra C24R Hardware Bindings – How It Works

Use the page below to assign and manage your hardware bindings.



1 GO BACK

Tap "GO BACK" to return to the previous page in the Sierra app.

2 LAST INPUT (LIVE MONITOR)

Shows the most recent control input detected. For LVar controls, the current value appears on the right. You can right-click to copy the LVar to the clipboard for use with third-party binding software.

Last input: Battery Switch LVar: GENERIC_ELECTRICAL_-- Value: 1

3 ACTIVE STATUS

Shows what is actively happening right now, such as confirming that something was assigned, cleared, timed out, or other current messages.

Bindings bridge ready. Select Assign, then press an input.

4 BINDING LIST & HOW TO ASSIGN A CONTROL

Use the list on the left to clear existing bindings or assign joystick or keyboard inputs to each function.

1. Tap ASSIGN next to the function you want to bind.
2. Move or press the physical control (joystick button, switch, or keyboard key).
3. The assignment will be confirmed in the active status line and on the right side of the row.
4. Your bindings are saved automatically.
5. To remove a binding, tap CLEAR.

G5 CGR-30P Engine Display



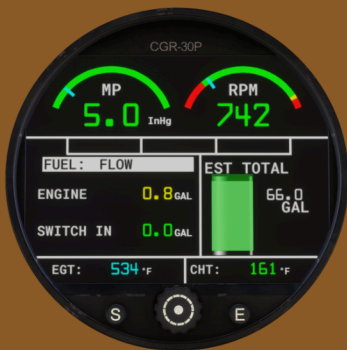
Overview

The CGR-30P is a state-of-the-art **Glass Panel Engine Monitor** that provides many of the engine and system instruments found in an aircraft panel. Each of the instruments displayed on the CGR's Main Engine Screen provides features not found in most multifunctional displays or traditional gauges.

Aircraft panels equipped with individual instruments require a pilot to scan and interpret a multitude of gauges spread across an entire panel.

By providing a single location for viewing the engine and many aircraft system instruments, the CGR reduces a pilot's workload and the chance of missing a problem. Additionally, the CGR provides both analog and digital displays with digits that blink and change colors when yellow or red operating ranges are reached. Also, an external Caution and Warning Light can be placed in front of the pilot. All of these features are designed to alert the pilot the moment any monitored function enters a red or yellow operating range.

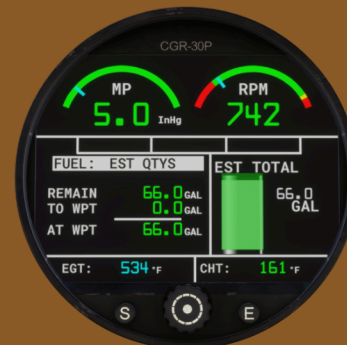
G5 CGR-30P Engine Display



Fuel Flow: Displays current fuel flow, switch-in-fuel, and estimated total fuel.



Estimated Distance: Displays estimated fuel range and distance to the selected waypoint/destination.



Estimated Quantities: Displays estimated fuel remaining and fuel required at the selected waypoint/destination.



Estimated Time: Displays estimated flight time and time remaining to the selected waypoint/destination.

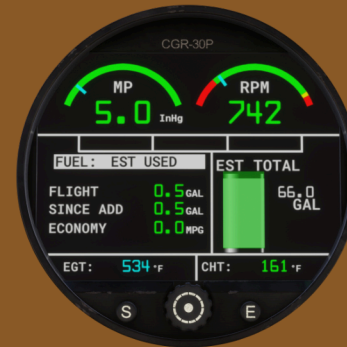
FUEL: EST AT DEST

When estimated at is set to destination the title above will display.

How to change WPT/DEST: Right click the knob, the title will start blinking, then rotate the knob to cycle the mode WPT or DEST. One final right click to set.



Estimated at Destination/ Waypoint: Sets the waypoint or destination used for the estimates shown on screens 2-4.



Estimated Fuel Used: Displays fuel used during the flight and since the fuel computer was last reset.

[Return](#)

Guage Buttons & knob



SCREENS Button: Pressing the SCREENS button sequences the CGR through the three display screens (Main, Secondary and Fuel Data).



SELECT Knob: The SELECT knob can be rotated. Depending on the screen and field being viewed, rotate the knob to scroll through fuel data screens on the fuel data screen.



EXIT Button: Pressing the EXIT button will exit you out of a specific operation. Repeated presses will exit you out of the current screen and return you to the Main Screen. Pressing the E after returning to the main screen will clear the any displayed / blinking warnings.

CGR-30C Engine Display



Overview

The CGR-30C provides you with several full-color strip gauges, which give pilots a quick reference view of critical parameters, along with digital readouts for the pinpoint accuracy. Pilots can configure the display to show the information they find most relevant, allowing for better situational awareness.

CENTURY 2000 AUTOPILOT

CENTURY 2000 AUTOPILOT



NOTE: ROLL MODE WAS ADDED TO WORK WITH WORKING TITLE LOGIC!

ON = MASTER AUTOPILOT ON

*ATTITUDE - ATT mode places pitch command with the ON switch.

*BANK - ROLL mode places roll command with the ON switch.

OFF = MASTER AUTOPILOT OFF

HDG = HEADING HOLD MODE

*In HDG mode the aircraft will track the heading bug selected on the HSI.

[Return](#)

CENTURY 2000 AUTOPILOT

TST = ALL ANNUNCIATORS SHALL ILLUMINATE

NAV = NAVIGATION MODE

*In NAV, APR, or REV modes the aircraft will intercept and track any properly programmed radio-defined course.

APR = APPROACH MODE

*APPROACH - The APR mode provides an automatic 45 degree VOR-LOC intercept angle and selected angle intercepts.

REV = BACK COURSE MODE

*REVERSE (Back Course) - The REV mode is for use in tracking the localizer back course Inbound and front course Outbound or VOR course Outbound.

Automatic 45 degree intercepts, selected angle intercepts, crosswind correction and tracking are as described in the APR mode except that response to radio signals is reversed.

ALT = ALTITUDE HOLD MODE

*ALTITUDE - ALT mode will cause the aircraft to maintain the pressure altitude present at the time of ALT engagement.

*ALT may be engaged at maximum rate of climb or descent, but for passenger comfort, rate of climb or descent should be reduced to 1,000 feet per minute or less prior to ALT engagement. Depressing either the pitch UP or DN switch will shift the AP mode back to ATT mode.

DN = PITCH MODIFIER SWITCHES

UP = PITCH MODIFIER SWITCHES

*PITCH MODIFIER SWITCHES - The pitch modifier switches are momentary push-button type, located on the right side of the Mode Programmer, used to modify the airplane's attitude and to shift the AP from the ALT mode to the ATT mode.

*ATTITUDE - ATT mode places pitch command with the pitch UP and DN switches. Pitch is always synchronized to the existing aircraft attitude after pitch modification. When engaging the autopilot or when transferring the system to ATT from ALT, the aircraft will maintain its existing attitude.