

HONEYCOMB
Alpha Yoke & Bravo Throttle
Carenado Cessna Citation II
S550

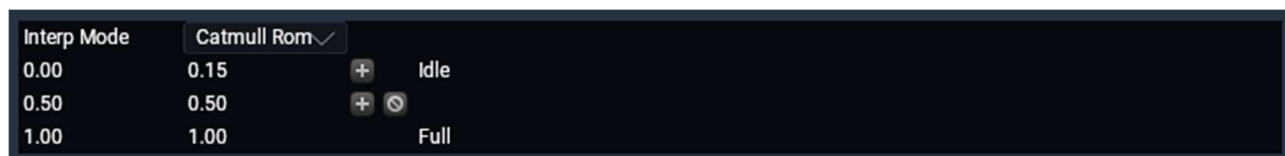
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Cessna Citation II S550

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Some notes:

Please see the below image for how I have my response curves set for the throttles in X-Plane, I have eliminated the cut off section of the axis since this is unusable in flight and have worked around it using the detent buttons during startup/shutdown.



The below section will not make total sense until you have read the rest of this document especially the section about the magneto switch being used as a mode selector.

For engine start, ensure the lever is in the detent zone, engage the starter for the engine and when you reach 20% Turbine RPM move the throttle up slightly past idle, then release the throttle latch, and bring the throttle back to the idle position.

For shutdown, select the OFF mode on the mode selector, make sure the axis are idle, then release the catch and move the throttle for that engine into the detent zone.

Cessna Citation II S550 Alpha



Coolie Hat – Assign in simulator.

- 2. PTT – Assign in simulator
- 3. See below
- 4. Elevator Trim Up
- 5. Elevator Trim Down
- 6. Elevator Trim Up
- 7. Elevator Trim Down

Read Page 6 for more information

Button 4 mode options

OFF.	Throttle Latch L
R.	Throttle Latch R
L.	Throttle Latch L
BOTH.	Ignition L Continuous
START.	Ignition L Norm



1. See below
2. Autopilot Disconnect
3. Aileron Trim Left
4. Aileron Trim Right
5. Rudder Trim Left
6. Rudder Trim Right

Read Page 6 for more information.

Button 1 mode options

OFF.	Throttle Latch R
R.	Engine Starter R
L.	Engine Starter L
BOTH.	Ignition R Continuous
START.	Ignition R Norm



1. Generators On (Both)
2. Generators Off (Both)
3. Battery On
4. Battery Off
5. Avionics - AC On
6. Avionics - AC Off
7. Avionics On
8. Avionics Off
9. Beacon On
10. Beacon Off
11. Landing Lights On
12. Landing Lights Off
13. Recognition Lights On
14. Recognition Lights Off
15. Nav Lights On
16. Nav Lights Off
17. Anti-Col Lights On
18. Anti-Col Lights Off



1. Mode Selector: Engine Shutdown (OFF)
2. Mode Selector: Right Engine Start (R)
3. Mode Selector: Left Engine Start (L)
4. Mode Selector: Ignition On (BOTH)
5. Mode Selector: Ignition Off (START)

Due to the lack of a key in the citation I was exploring options of how to use the Magneto key, and came to the decision to use it as a mode selector, that way allowing me to use the 2 white buttons on the yoke handle for multiple things, that you use during different phases of flight, I did ideally want to have ignition toggle for both mode, but unfortunately I couldn't find a toggle command only on or off, if anyone knows of a command for toggling the ignitions on the Citation II let me know.

OFF: This is to use for engine shutdown, when parked at a stand select the button for whichever side engine you want to shutdown first to release the throttle catch, then retard the throttle for that engine until it shuts down.

R/L: These are your engine start modes, the right button on the yoke will engage the starter, then allowing you to move your right hand to the TQ to be able to move the lever. The left button releases the throttle catch for whichever engine you are starting.

BOTH: This allows you to turn on the left and right ignitions to continuous for takeoff and landing.

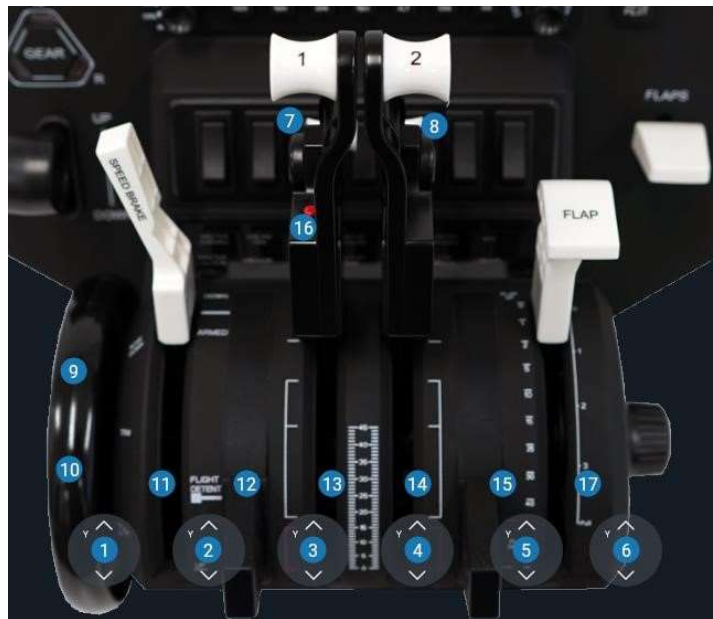
START: This allows you to return the ignitions to normal after takeoff and after landing.

Cessna Citation II S550 Bravo



1. Heading Mode
2. Nav Mode
3. Approach Mode
4. Backcourse Mode
5. Altitude Select Arm
6. Vertical Speed Mode
7. Airspeed Hold Mode
8. Autopilot Master On
9. Increase MCP ALT/VS/HDG/CRS/IAS
10. Decrease MCP ALT/VS/HDG/CRS/IAS
11. Button – Not Used
12. Button - Not Used
13. IAS (Speed)
14. CRS (Course)
15. HDG (Heading)
16. VS (Vertical Speed)
17. ALT (Altitude)

18. Gear Up
19. Gear Down
20. Yaw Damper On
21. Yaw Damper Off
22. Pitot Heat On
23. Pitot Heat Off
24. Engine Anti Ice L On
25. Engine Anti Ice L Off
26. Engine Anti Ice R On
27. Engine Anti Ice R Off
28. Anti Ice Wing Boots On
29. Anti Ice Wing Boots Off
30. Fan Sync On
31. Fan Sync Off
32. Parking Brake On
33. Parking Brake Off



1. Axis – Assignable in Simulator (Speedbrake)
2. Axis - Assignable in Simulator
3. Axis - Assignable in Simulator (Throttle 1)
4. Axis - Assignable in Simulator (Throttle 2)
5. Axis - Assignable in Simulator
6. Axis - Assignable in Simulator (Flaps)
7. Engine 1 Engage Reverse
8. Engine 2 Engage Reverse
9. Elevator Trim Down
10. Elevator Trim Up
11. Button - Not Used
12. Button – Not Used
13. Decrease Engine 1 Throttle (used for shutdown)
14. Decrease Engine 2 Throttle (used for shutdown)
15. Button - Not Used
16. Button – Not Used
17. Button - Not Used

Bravo Switches Template

You can print the below template to a piece of paper to attach to your throttle quadrant as you please to label your switches. It should be to scale and print at the right size.

