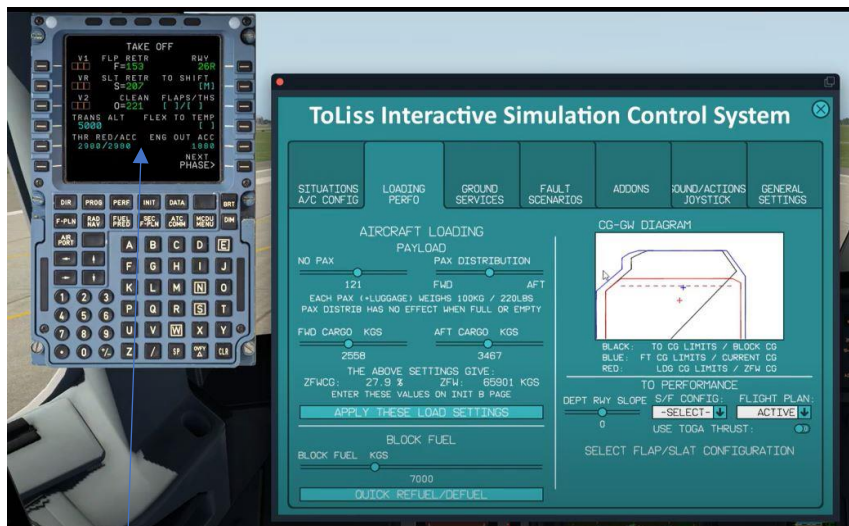


Takeoff Toliss A320, A321

For Beginners or New to the Airbus

This guide considers you already have your flight plan completed in the MCDU. But have not begun PUSHBACK. We start at the ISCS for the Toliss then go to the **LOADING PERFO** Tab, AS PER BELOW



Entered Plan MCDU

Understanding take off settings / Throttle settings:

TOGA Thrust: Only used for short runways, contaminated runway (Snow or Large puddles of water) but very rarely used in the real Airbus.

FLAPS: 1 is mostly standard, however if you are on a shorter runway then **FLAPS 2** would be use for greater lift

FLEX TO TEMP: Means that full thrust is not being used so the higher the number the less thrust needed.

NO FLEX TO TEMP: If no flex temp given or shown then TOGA Thrust will be used.



V1 Speed: if you are below that speed you can reject the takeoff, but if you over that speed you MUST takeoff.

VR Speed: Is the rotate or takeoff speed for the aircraft.

V2 Speed: Is the fly away speed once taken off from the runway.

TRANS ALT: This is the point we convert to a flight level; this is generally a local airport procedure.

THR RED/ ACC: We lower the nose and go from takeoff climb to on route climb.

Set for takeoff:

On the runway ready for takeoff, Lights are set, **BEACON ON, BOTH LANDING LIGHTS ON, NOSE LIGHT SET TO T/O, STROBE IN AUTO** (will come on once takeoff), Seatbelts ON, No smoking ON. **FLAPS SET.**

PS: Landing Lights and strobe are off during taxi, turned on at holding line (Stop bars) of Runway

Ready for Takeoff:

Set the Chrono Button: Takeoff power can only be maintained for no more than 5 minutes.

With brakes on (**Toe brake on rudders**) park brake if no rudders available move throttle to 50%, push the side stick or your yoke slightly forward to put weight on front wheel, once the engines are stabilized you can release the brake while still having the stick forward.

Soon as you release the breaks set throttles into the **FLEX MCT** gate if you are doing a Flex takeoff or **Toga** if doing a Toga takeoff, you will then start to go down the runway, as you get to **80 – 100Knots** you can let the side stick or yoke go back to neutral.



Rotate / Take-off speed

Once you get to your VR speed rotate (Takeoff) the Aircraft, just after takeoff it should be a positive climb, so **gear up**, Auto Pilot can be engaged at **2,000ft** and move the throttles back to **LVR CLB** when indicated.



Move Throttles back to CLB

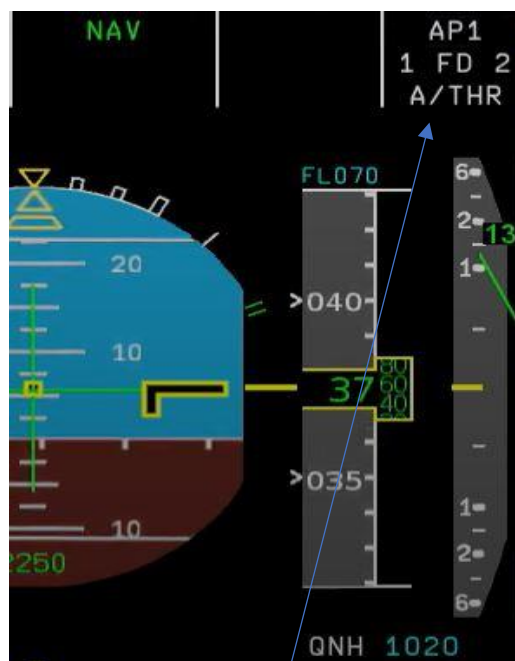
Move the nose down slightly as you bring the throttles back to LVR CLB, and make sure the A/THRUST is engaged, you can now engage Auto Pilot



Auto Pilot

Auto Thrust

Minimum for Auto pilot is 100ft or once you hit SRS climb.



AUTO PILOT NOW ENGAGED

Flaps:

Once above **S – Speed** you can retract the flaps.



“S” SPEED

Once the flaps are retracted disarm the spoilers and turn off the nose wheel lights, and “Runway turn off lights” you can also turn off the Chrono.



Once flight level reached set the BARO to **STD**, by **pushing button in.**