

Quick Start guide for FMGC and MCDU

How to create a short flightplan with the implemented features of the FMGC.

1. Go to the INIT page (default: CTRL+F4)
2. enter dep. and destination aerodrome (EDDF/EDDM)
3. enter the CRZFL (170) at LSK6L
4. go to the F-PLN page (default: CTRL+F6)
5. Press the LSK left of EDDF and select dep. runway (for example 07R)
6. enter the waypoint KNG at the discontinuity (if asked for duplicate names always take the first entry in this example flight)
7. then HAREM, DKB and WLD
8. now press the LSK left of EDDM and select arrival runway (for example 08L)
9. now delete the Discontinuity
10. insert the Temporary flightplan (LSK 6R)
11. after a few moments you will see the predicted altitudes for each point.
12. Please recheck that your routing is now: EDDF07R – (2364) – KNG – HAREM – DKB – WLD – FF08L – EDDM08L
13. Now go to the PERF page (default: CTRL + F3)
14. Enter the Flaps-takeoff setting at LSK3R. If your takeoff-flapsetting is 1+F it doesn't matter whether you enter 1 or 1+F at LSK3R
15. Now enter the V-Speeds at LSK1L to LSK3L and the FLEX temp (if you want to do a FLEX takeoff) at LSK4R OR simply press LSK4R with no data in the scratchpad. Then the FMGC will compute the V-Speeds and the FLEX temp according to airport elev., temperature, runway length, aircraft weight and so on. If it only enters V-Speeds but no FLEX temp, then a FLEX takeoff is not possible!
16. Now push the SPD, and HDG rotaries on the REMOTE GLARE to set speed and heading to managed mode. Select (for this testflight) an altitude of 17000 ft in the REMOTE GLARE
17. In the PFD you see now a managed speed of V2.
18. Once you increase the thrustlevers to FLEX or TOGA the ATHR will arm. At liftoff managed speed will change from V2 to V2+10.
19. Turn on the AP
20. At thrust reduction altitude (which is set to 1500ft GND) LVR CLB will flash in the FMA which advises you to set the thrust lever to the CLB detent.
21. At acceleration altitude (which is set to 2000ft GND) the aircraft will accelerate to 250kt. Passing 10000ft it will accelerate to 282kt. This speed normally depends on your cost index. However the cost index is not yet included in the software so CLB speed is set to 282. Cruise speed to 300 kt and Descend speed to 290 kt.
22. The rest is hopefully clear ☺

Known limitations (due to not yet included features)

- On the PERF pages only TAKEOFF is working. CLB PERF is possible to select, however at the moment static. So if you enter another CLB speed there it has no effect.