

# Free read Boeing 747 400 autopilot guidebook Full PDF

when the autopilot is on the flight director is what controls where your plane goes when the autopilot is off the f d will give us visual cues as to climb pitch and bank angle to keep the aircraft flying safely enter v2 speed into the ias mach indicator on the dashboard fsx full boeing 747 400 autopilot tutorial hi there this video is silent unfortunately as my mic wouldn t work it shows how you get a 747 400 and 8 on autopilot following your what is telling the autopilot what mach speed to set once we get into the mode like i stated the fmc is displaying 310 but not a mach value how is it selecting the mach value it does this video will teach you all about the basics of the autopilot and how to use it in the boeing 747 in microsoft flight simulator i will cover autothrust autothrottle heading selection 747 autopilot tutorial showing takeoff procedure following fmc flight plan step climbs altitude changes and direct to waypoints 0 00 intro1 00 before t aerofly fs simulates the autopilots of the boeing 737 classic 737 ng and 737 max 747 400 777 300er and 787 10 to a very high level of realism pretty much all autopilot modes used every day by airline pilots are simulated and interactions with the mode control panel mcp works just like the real thing boeing 747 400 autopilot mcp the autopilot and flight director mode control panel mcp in the boeing 747 is located in the glare shield and is the human machine interface to the flight guidance system of this airliner the mcp of this boeing aircraft can be be split into several regions lateral and longitudinal autopilot systems for boeing 747 400 longitudinal dynamics simulink model dynamic inversion controller lateral dynamics simulink model lqr pid controller for roll angle hold 747 400 autopilot buttons from the photographs i have seen the buttons on the autopilot panel that engage the autopilot functions seem to have leds in them that light up when they are pushed my question is do any of them have two colors of led one to show the function is armed and a second color to show when the function is engaged i m trying to land a 747 400 using the autopilot and settingthe approach mode in the autopilot what is happening seems to be that when the glidescope indicatetime to turn right to intercept the ils the i lose height and thespeed goes up and i hear warning sounds the autopilot was also changed to that of the 757 and 767 on the 747 400 a software update was added to allow an altitude intervention mode 10 145 the added canted winglet so i m having a problem setting up the 747 400 auto pilot constants i can set up the v s vertical speed and altitude being it doesn t require much but moving a bit of numbers around to what i want it to the problem is the hdg heading and spd speed the 747 autopilot has a vertical speed controller which allows the pilot to set the rate of climb or descent as measured in feet per minute up or down however bear in mind that the actual autopilot uses feet per second in that maths the automatic flight control system on the 747 400 consists of the autopilot flight director system afds and the auto throttle system a t the mode control panel mcp and flight management computer fmc control the afds and the auto throttle system to perform climb cruise descent and approach 31 7k subscribers subscribed 196 7 7k views 2 years ago flight simulator 2020 basics in this video we go to war with the msfs implementation of the boeing autopilot as we travel from kbdl to autopilot and fms authentic autopilot behaviors all real world flight director fd modes autoland flight management system fms with lnav vnav interactive control display units cdu with working preflight route creation performance fix pages etc instrumentation realistic pfd nd realistic eicas and system pages can anyone please explain how to use the autopilot on the 747 8 every time i activate the l c or r autopilots they never seem to work i e the aircraft adjusts to the wrong heading or doesn t hold its flight level that i set on the altimeter does anyone know how to get around these issues boeing 747 pc ms store aircraft thrilledbloom32 august 1 2021 2 59am 1 i still have an issue with the 747 autopilot on its mcp 1 with the latest release i can t select heading sel on the mcp the mouse just won t find the hotspot and click it 2 pressing spd does not turn off this mode b747 autopilot airspace violations episode 7 january 7 2011 david cenciotti tragedy on the way home korean airlines b 747 vs soviet sukhoi su 15 on sept 1 1983 a civilian in this video we explore the different modes as well as tips and tricks of the boeing 747 autopilot in microsoft flight simulator 2020

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