

MiG-29 Superpit description of functionality

Front panel



Buttons and switches in green and Instruments and lights in blue:

1. Standby magnetic compass	19. Taxi landing lights switch	37. Clock
2. Master Arm selector switch	20. Airspeed indicator in knots x 100	38. Flares amount indicator
3. Master Caution warning light / reset	21. ADI (Attitude Director Indicator)	39. Exhaust Gas Temp left engine
4. Air to Ground selection button	22. VVI (Vertical Velocity Indicator)	40. Exhaust Gas Temp right engine
5. Angle of Attack indicator	23. Nose wheel brake control handle	41. Fuel Quantity display in KG
6. G-forces indicator	24. Emergency Jettison button	42. Fuel display selection switch
7. HUD brightness turning knob	25. TWF switch (Track While Flyby)	43. Combined Oxygen panel
8. HUD Day/Night selector	26. Radio Altimeter indicator	44. Hydraulics panel
9. Display 'touchscreen' buttons	27. RPM indicator left and right engine	45. Ramp position indicator
10. Display with A/A attack grid	28. Remaining miles to next steerpoint	46. Radar Warning Station
11. Display brightness knob left/right	29. Engine Reheat lights	47. Radar Warning Station test switch
12. Gear Box Fire warning light	30. Landing gear handle	48. Navigation Beacon # 1
13. Left engine FIRE warning light	31. Altimeter indicator	49. Navigation Beacon # 2
14. Right engine FIRE warning light	32. Landing gear and flaps positions	50. Navigation Beacon # 3
15. Oil Pressure warning light	33. Heading set/digits	51. Altitude/Attitude for Autopilot
16. Gear Box Oil Pressure cautionlight	34. Course set/digits	52. Emergency landing gear handle
17. Hydraulics failure warning light	35. HSI	53. Trim roll switch
18. Canopy open warning light	36. Mach airspeed indicator	54. Browsable checklists
		55. Engine start Crank switch

Down left panel



Buttons and switches in green and Instruments and lights in blue:

1. Canopy Control Lever	11. RDR: UNIT manual COMP switch	21. Missile control: COOP Retard switch
2. Taxi landing lights switch	12. RDR: Auto Jammer switch	22. Missile control: Air/Ground switch
3. Landing Gear handle	13. Landing gear and flaps position	23. Missile control: Safe/Armed switch
4. Altimeter indicator	14. Clock	24. Lockon button/Nosewheel steering
5. Heading set/digits	15. Droge Chute release button	25. Kneemap area
6. Course set/digits	16. Damper (Flight Control Computer)	26. Map/Briefing/Steerpoint select
7. HSI	17. Engage Autopilot	27. Chaff Power
8. Mach airspeed indicator	18. Autopilot Pitch hold	28. Flares Power
9. Internal/External stores switch	19. Trim roll switch (left/right click)	29. Program countermeasures
10. RDR: ILLUM/DUMMY switch	20. Emergency landing gear handle	30. Mode countermeasures
		31. Fuel selector knob

Down left panel



Buttons and switches in green and Instruments and lights in blue:

1.Exhaust Gas Temp left engine	9. Radar Warning Station	17.Engine Ground Start button
2.Exhaust Gas Temp right engine	10. Radar Warning Station test switch	18.Right engine test switch
3.Fuel Quantity display in KG	11. Navigation Beacon # 1	19.Engine Start Selection switch
4.Fuel display selection switch	12. Navigation Beacon # 2	20. Anti Collision lights master button
5.LH Engine start lights	13. Navigation Beacon # 3	21. EXT lights Position/Flash knob
6. Combined Oxygen panel	14.Browsable checklists	22. Formation Lights OFF/BRT selection
7. Hydraulics panel	15. Engine Start Crank switch	23. Test switch caution lights
8. Ramp position indicator	16.Left engine test switch	24. GPS selector

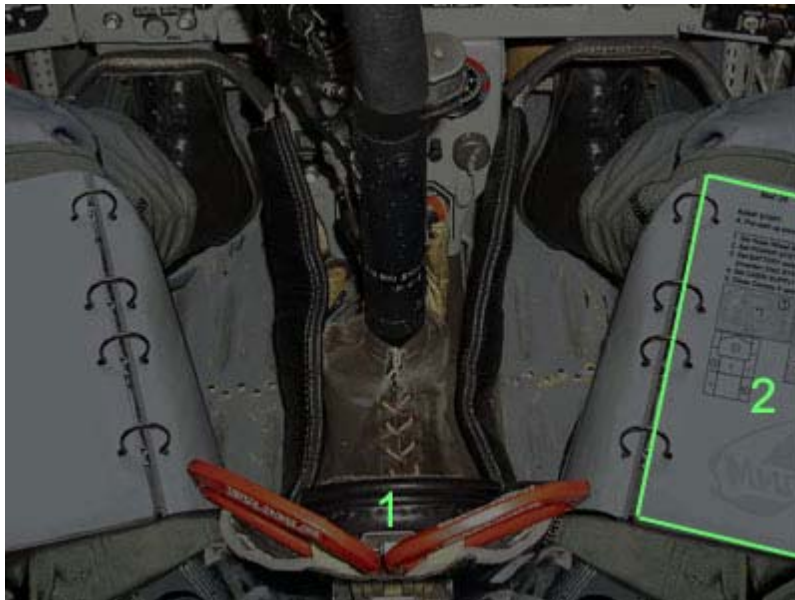
Side panels



Buttons and switches in green and Instruments and lights in blue:

1. Landing and Take off Flaps (left/rightclick)	4. Cabin Air Lever	7. Left and Right Engine Inlet Check lights
2. Instruments lights switch	5. IFF master selector	
3. Electrical Power panel (batteries)	6. System Power panel	

Front down panel



Buttons and switches in green and Instruments and lights in blue:

1. Ejection seat handles	2. Browsable checklists	
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Reference and functionality panel (Key Shift-1)

NORTH KOREA AIRBASES			
Airport	FM LOC	Runway	Elev
Pyongyang	39°01' 38.84 E, 127°06' 40.00 N	12300	40
Hamhung	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-2	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-3	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-4	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-5	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-6	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-7	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-8	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-9	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-10	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-11	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-12	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-13	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-14	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-15	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-16	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-17	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-18	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-19	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-20	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-21	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-22	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-23	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-24	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-25	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-26	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-27	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-28	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-29	39°08' 30.88 E, 127°06' 30.00 N	10480	30
Yongju-30	39°08' 30.88 E, 127°06' 30.00 N	10480	30

NORTH KOREA AIRSTRIPS			
Airstrip	Runway	Elev	Loc FM
Pyongyang	39°01' 38.84 E, 127°06' 40.00 N	40	39°01' 38.84 E, 127°06' 40.00 N
Hamhung	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-2	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-3	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-4	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-5	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-6	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-7	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-8	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-9	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-10	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-11	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-12	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-13	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-14	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-15	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-16	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-17	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-18	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-19	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-20	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-21	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-22	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-23	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
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Yongju-27	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-28	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-29	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N
Yongju-30	39°08' 30.88 E, 127°06' 30.00 N	30	39°08' 30.88 E, 127°06' 30.00 N

Buttons and switches in green and Instruments and lights in blue:

3. North Korean airbases data	6. RWR display	9. Multifunctional digit buttons
4. AUX COMM switches	7. Channel digits	10. DED buttons
5. RWR selection buttons	8. DED area	11. TACAN/NAV selection
		12. MFD in 'touchscreen'

