Miltech Simulations U-2

Overview - Cockpit

Our rendition of the U-2S cockpit, panel by panel. Every picture on this page is rendered from the aircraft's 3D cockpit model, so each switch, knob and label is exactly where you will find it in the simulator.

Main Instrument Panel



Main instrument panel with the control column removed.

1 **Master Caution** Lights for every new warning or caution; press it to reset. Warnings →

2 **AOA Indexer** Three approach symbols on the glare shield, lit from .55 AOA. AOA →

3 **FIRE / O'HEAT Lamps** Engine fire and overheat warnings. Warnings →

4 **Up-Front Control Display** Radios, transponder, destination points, timers, and the keypad for MFD entries. UFCD →

5 **Center MFD** Multi-Function Display. Any of the three MFDs can show any page. MFDs →

6 **SFD and EW Panel** Standby Flight Display; EW REC / RPT lamps and EW CONT switch; autopilot ROLL / PITCH sync indicators. SFD →

7 **Left MFD** Usually the map or the fuel / engine page. MFDs →

8 **Right MFD** Usually navigation or the sensor pages. MFDs →

9 **Gear Handle and Cabin Air** Landing gear handle, RAM AIR, REFRIG BYPASS, TURBINE BYPASS and the CABIN HEAT knob. Cabin →

10 **Audio Panel** MASTER VOL, the TRANS SEL transmitter selector, CALL / RCD and the COMM CNTL BACKUP switch. UFCD radios →

11 **Lights Panel** Standby AOA gauge, PANEL / UFCD-SFD / INSTRUMENT light knobs and their circuit breakers. AOA →

12 **Warning Panel** Warning and caution lamps, behind the control column. Warnings →

13 **Standby Engine Gauges** N2, EGT and fuel flow, independent of the MFDs. Engine →

14 **Fuel Panel** Boost pumps, sump-tank and cross-transfer, dump switches and the dump / transfer lamps. Fuel →

15 **Electrical Panel** Battery, external power, generators, inverter and TR. Power →

Left Console



Left console seen from above, forward at the top. The side-wall panels are at the left of the picture.

1 **Throttle Quadrant** Throttle with the OFF / IDLE stop and the speed-brake switch on its grip, flap lever, aileron trim, friction and vernier. Engine →

2 **Engine Control Panel** FUEL SHUTOFF and EMERGENCY START SYS (guarded), ENG MODE, GUST CONTROL. Engine →

3 **Oxygen Panel** OXY SYS 1 / 2 switches and the system pressure gauge. Oxygen →

4 **ARC-210 Backup Radio** VHF / UHF control head - the simulator's COM 3. UFCD →

5 **Audio Volume Panel** COMM 1, COMM 2, HF, TACAN, ILS, AOA and THREAT volume knobs. Audio Panels →

6 **Lights and Spoiler Panel** Exterior and cockpit lights, cockpit fan, seat adjust, landing light, SPOILER and LANDING / LET DN, ZEROIZE. Lights → Spoilers →

7 **Left Circuit Breakers** DC essential and emergency circuit breakers (left side wall).

Right Console



Right console seen from above, forward at the top. The side-wall panels are at the right of the picture.

1 **Backup Control Display Unit** INS alignment, destination points and steering - the back-up to the MFDs. BCDU →

2 **PME Power Panel** RECORDER and MSN RCD switches (MSN RCD ON for the EW threat tone); PME-A / B / C and CHBDL have no function. PME →

3 **AFCS Panel** Autopilot power, engage, axis switches, mode buttons, PITCH MACH wheel and PUSH TO TURN. AFCS →

4 **Mark IV Panel** MK IV MASTER and MODE for the camera, the A-D lights and the viewsight hand control. Mark IV →

5 **Avionics Power Panel** MASTER LT / FIRE tests, PITCH TRIM, AFCS sensitivity knobs, UFCD / AVP / SFD / BCDU / INS switches. Power →

6 **IFF and Face Heat** IFF ON / HOLD / OFF and the FACE HEAT knob. Power →

7 **Anti-Fog and Heaters** WINDSHIELD ANTI-FOG, HATCH HTR, TEMP PROBE / PITOT HEAT. Cabin →

8 **Right Circuit Breakers** AC and essential circuit breakers (right side wall).

Related pages: Electrical and Avionics Power · Engine Start and Cockpit Controls · Multi-Function Displays (MFDs) · Up-Front Control Display (UFCD) · Glossary

Miltech Simulations U-2. SIMULATION USE ONLY. This documentation describes the simulated aircraft as delivered in the add-on and must not be used for real-world aviation.