Miltech Simulations U-2

Variants

The U-2 comes in three variants, all in one purchase. This manual covers the U-2S. Each variant also has its fit: the sensors and equipment you choose in the U-2 EFB.

Two Releases, One Purchase

Release 1**13 November 2026**The U-2S, 19 liveries, the ASARS-2 radar, the SYERS-2A camera and the optical bar camera, four sceneries with the chase car and the runway and pogo crews, the Datalink Portal, and 7 missions in the U-2 Spyplane Mission Pack.

Release 2 · Free update**A few weeks later**The U-2R with the round-dial cockpit and the J75 engine, NASA's ER-2, period chase cars, and 5 to 10 more missions planned.

The Three Variants

Available 13 Nov 2026**U-2S**Digital cockpitThe aircraft the U.S. Air Force flies today, re-engined with the GE F118 from 1994. Three MFDs, the UFCD, the BCDU, the INS and the SFD. This manual covers the U-2S.In the sim: **U-2S - Digital Cockpit**EngineGE F118Liveries19Ground vehiclesChase car: USAFPogo pickup: ModernCrew van: USAF

Free update**U-2R**Analog cockpitThe larger airframe of 1967, about a third bigger than the first U-2s, with the classic round-dial cockpit and the drift sight.In the sim: **U-2R - Analog Cockpit**EngineP&W J75Liveries15Ground vehiclesChase car: 1970sPogo pickup: OldCrew van: USAF

Free update**ER-2**NASA analog cockpitNASA's high-altitude research aircraft, delivered from 1981, with the analog cockpit.In the sim: **ER-2 - NASA Analog Cockpit**OperatorNASALiveries3Ground vehiclesChase car: NASAPogo pickup: ModernCrew van: NASA

Choose the variant in the aircraft selection: **Miltech Simulations U-2**, then the variation shown on each card. All three share the fuel, electrical, hydraulic, oxygen, autopilot and lift spoiler systems, the chase car with its ground crew, and the U-2 EFB.

U-2S Fit

The fit is the equipment you carry. You change it on the EFB Aircraft tab, on the ground or in flight, and the weights go to the aircraft's payload. The picture shows where each item goes, drawn with all of it fitted at once; the numbers match the table.



Where everything sits, drawn here with all of it fitted at once: ASARS-2 nose, Senior Ruby pods with Senior Spear, SPAN and the dorsal and belly sensors.

#	Item and what it is	Where it goes	Choices	Weight
1	**Nose** The interchangeable nose cone. It decides the working sensor: the radar (MFD RDR page), the camera (MFD CAM page), or none.	Front of the fuselage	ASARS-2 radar Default · Standard (no sensor) · SYERS-2A camera	1,000 · 300 · 650 lb
2	**Q-bay** The equipment bay behind the cockpit. It can carry the optical bar camera (OBC), a panoramic film camera.	Behind the cockpit, with a window underneath	Empty Default · OBC camera The OBC needs the Standard nose.	0 · 1,050 lb
3	**Superpods** Long pods that carry signals-intelligence equipment. In the simulator they change the look, weight and balance only.	On each wing, outboard of the fuselage	Type A (Senior Ruby) Default · Type B (Standard) · None With None, covers fill the gap in the wing.	2 × 800 · 2 × 600 · 0 lb
4	**Senior Spear** An attachment on the Senior Ruby pod. The left wing then sits heavy: about 40 gal moved from the left to the right inboard tank balances it.	On the left Type A pod only	Fitted · Removed	+400 lb, left pod
5	**SPAN** A large fairing with a satellite antenna, to send data to the ground from beyond line of sight.	On the spine, above the wing	Off Default · On	1,100 lb
6	**Dorsal sensors 1 - 3**	On the spine, behind the canopy	Each fitted Default or removed	300 lb each

#	Item and what it is	Where it goes	Choices	Weight
	Three small sensor fairings. The numbers match the markers on the EFB drawing.			
7	**Belly sensor (4)** One sensor fairing.	Under the fuselage, near the Q-bay window	Fitted Default · Removed	300 lb
	Belly blade antennas The ventral blade and hooked antennas.	Under the fuselage	Fitted · Removed	-
	Stabilizer vortex generators Small vanes of the 1968 airframes.	On the horizontal stabilizer	Removed · Fitted	-

The Default tags show the fit of a new installation. Only the nose and the Q-bay decide which sensor works: the ASARS-2 radar, the SYERS-2A camera and the OBC are the working sensors, and you carry one at a time. The other items change the look, the weight and the balance only. All sensor weights are estimates. More on each item is under Sensors and Electronic Flight Bag (EFB), Aircraft tab.

U-2S Liveries

The U-2S comes with 19 liveries. The tail number is also your ATC callsign. To make your own liveries, see Paint Kit.

USAF Default80-1066**USAF 68-10329**68-10329**USAF 68-10331**68-10331**9RW 68-10331**68-10331**USAF 68-10337**68-10337**USAF 80-1066**80-1066**USAF 80-1067**80-1067**USAF 80-1069**80-1069**UN 80-1069**80-1069**USAF 80-1070**80-1070**USAF 80-1070 WR**80-1070**USAF 80-1076**80-1076**USAF 80-1077**80-1077**USAF 80-1078**80-1078**USAF 80-1085**80-1085**USAF 80-1087**80-1087**USAF 80-1092**80-1092**USAF 80-1094**80-1094**USAF 80-1096**80-1096

Related pages: Introduction · Sensors · Electronic Flight Bag (EFB) · Chase Car and Ground Support Equipment · Paint Kit

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.