

AIRWOLF

Concept Aircrafts



AFS-design
Andreas Meyer

This add-on is an excellent rendition of the famous supersonic helicopter AIRWOLF from the same 80 years cult series AIRWOLF, and 2 models of possible opponents (Concept Aircrafts) of AIRWOLF, out for the Flight Simulator FSX and FS2004.

The original series AIRWOLF is an American television series that ran from 1984 to 1987. It was about the sophisticated spy high-tech military helicopter, code named AIRWOLF, and took their team, which various missions. It was a lot of espionage and the theme of the Cold War. The series was produced by Donald P. Bellisario. There were 79 episodes, each with 45 minutes in length, in 4 Stafen. In the first three seasons Jan-Michael Vincent played as Stringfellow Hawke for the pilot of AIRWOLF, Ernest Borgnine as Mr. Dominic Santini, owner of Santini Air Services and Systems Officer of the AIRWOLF, Alex Cord as Michael Coldsmith Briggs III (CIA Code Name: Archangel) CIA agent and in the second and third season, Jean Bruce Scott as Caitlin O'Shannessy, co-pilot of Airwolf with. The last season was recast with new actors.



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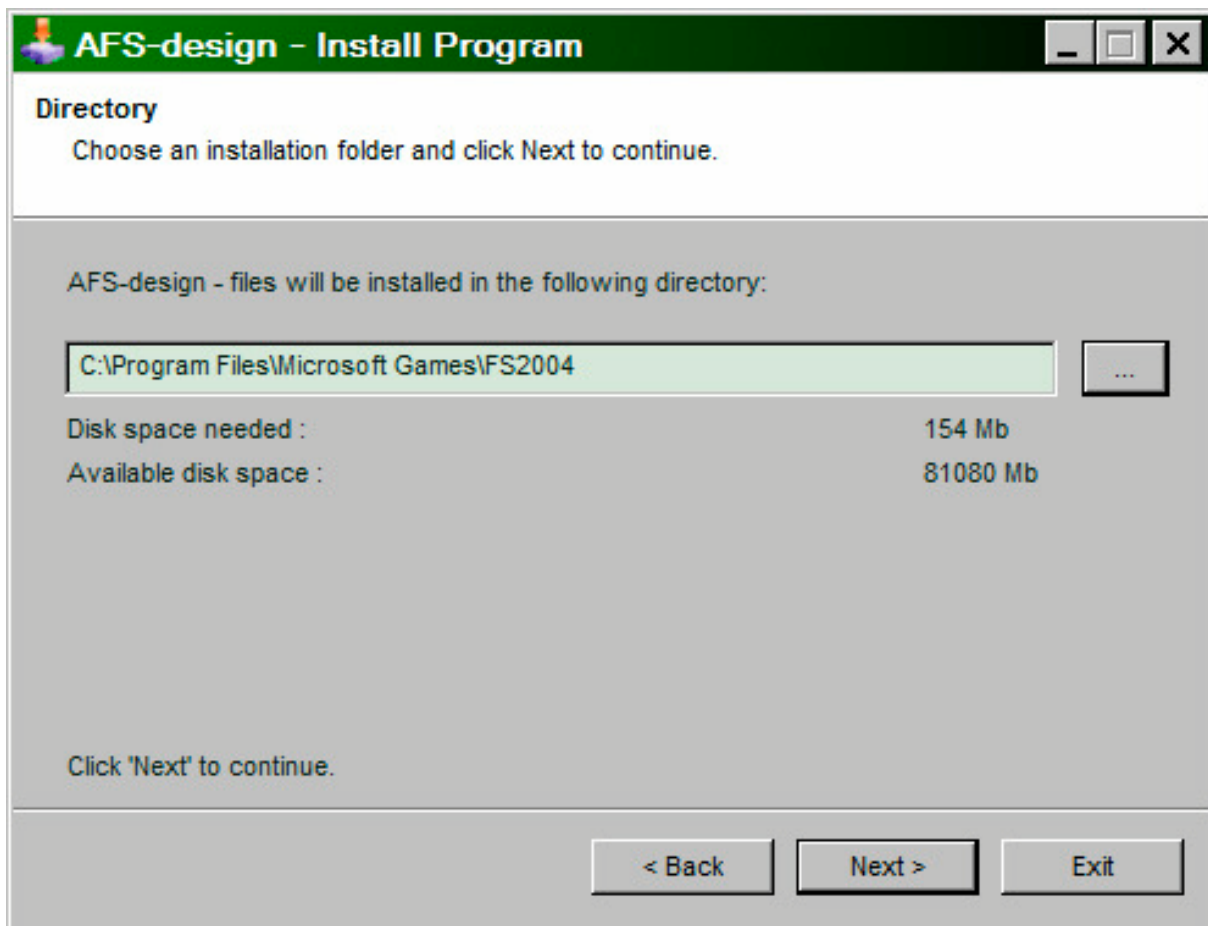
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System

System:	Windows 98 SE / Me / 2000 / XP or Vista
FS VERSION:	FSX (assisted SP1, SP2, Acceleration Pack) and FS2004
Filesize:	21 MB
Filesize hard drive:	400 MB
INSTALLATION:	EXE. file
PUBLISHER:	AFS-design
HOMEPAGE:	http://www.afs-design.de
SUPPORT mailto:	info@afs-design.de

Installation for FS2004

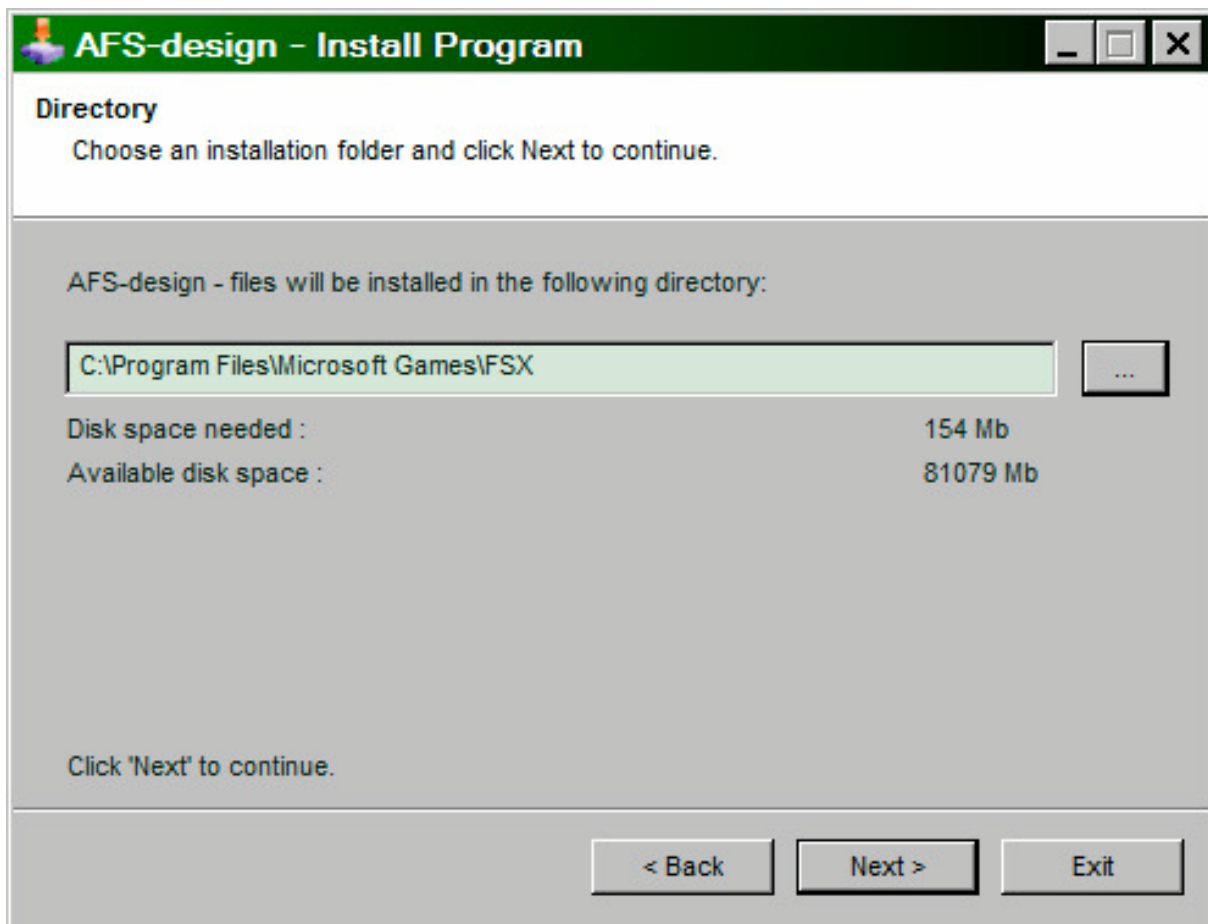
1. For FS2004 download the „AFS-____-FS9.exe“ to a temporary directory of your choice.
2. Please start the „AFS-____-FS9.exe“ and install.



3. Set in ... the main directory from FS2004, when not automatic choice.
4. Than start the Flight Simulator with the new sceneries.

Installation for FSX

1. For FSX download the „AFS-____-FSX.exe“ to a temporary directory of your choice.
2. Please start the „AFS-____-FSX.exe“ and install.

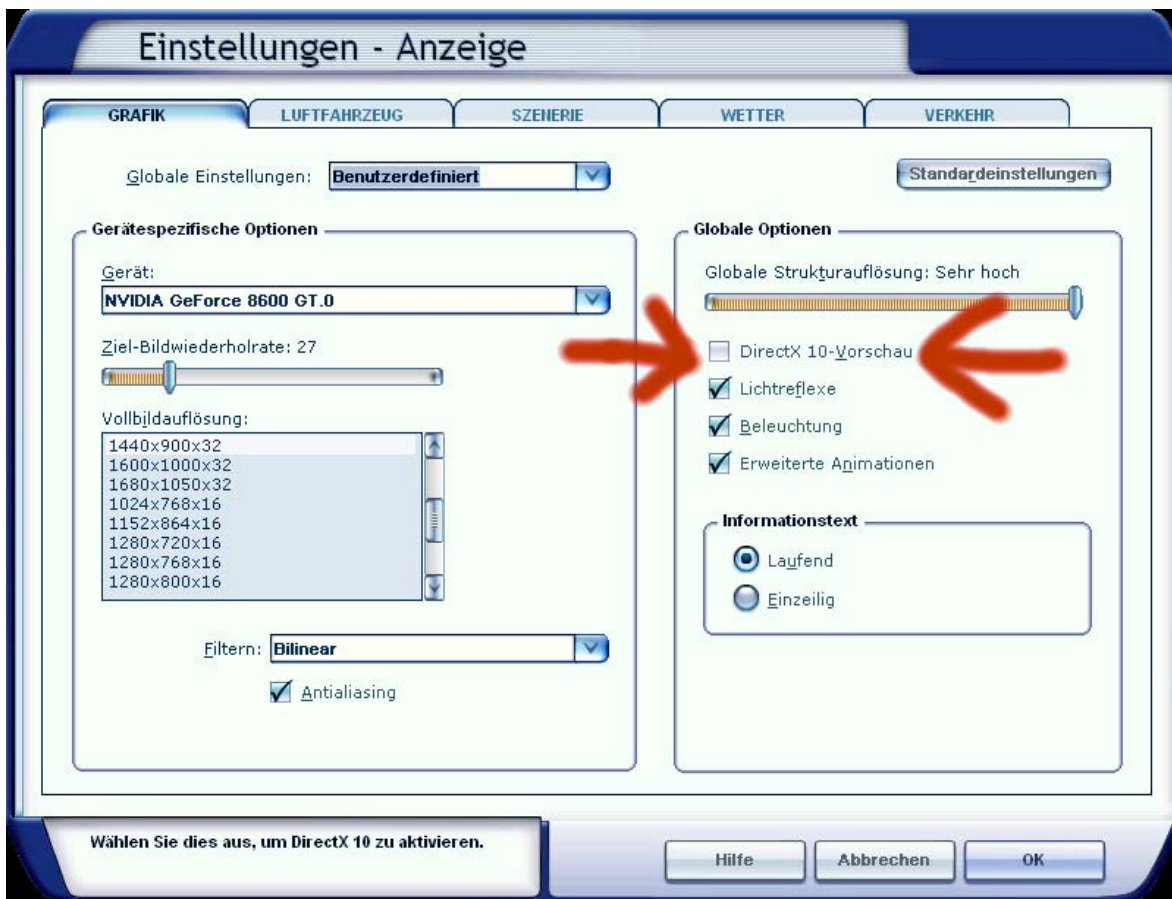


3. Set in ... the main directory from FSX, when not automatic choice.
4. Than start the Flight Simulator

Problem with DirectX

This program use DirectX9 only. Please switch out DirectX 10 trailer !

1. Install this add-on
2. Start the Microsoft FSX
3. Choose a plane your choice
4. Start the simualotion (click start)
5. In the simulation switch button "ALT"
6. Choose options / adjustment / display (graphic settings)
7. In the graphic settings windows choose graphic
8. deactivate "DirectX 10 trailer" in small box (without camisole)
9. Exit the FSX, and start the FSX new !



Aircraft selection

After you have started the Microsoft Flight Simulator, you can in Selectname: „AIRWOLF“ select a model.

The following models are available:

- AIRWOLF - The Lady
- Redwolf - A opponent for AIRWOLF
- Greys shark - AIRWOLF Archenemy

These are equipped with a variety of liveries:

- Commander
- System officer
- Cabin deck
- Tarn paint
- Santini Air Service paint
- Repaint Texture

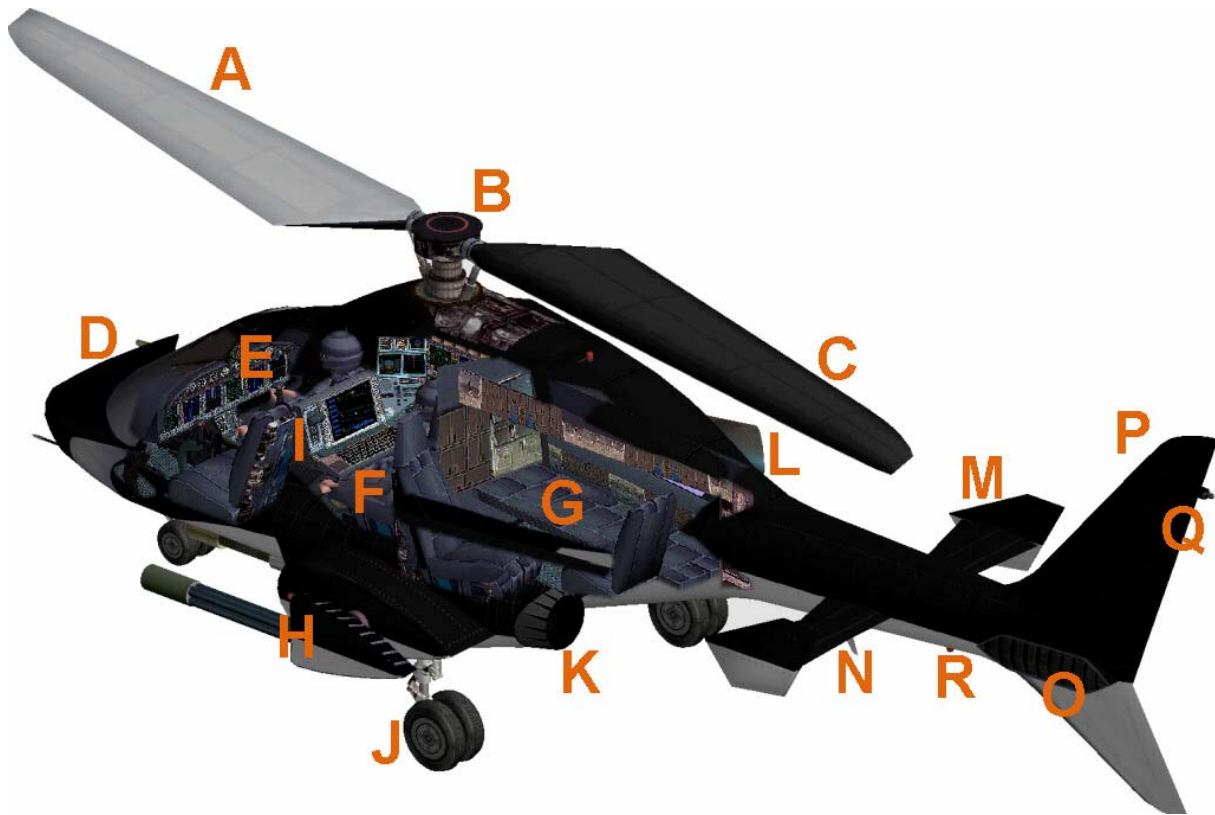
Then you can select a AIRWOLF basis:

- AIRWOLF cave in North America in the "Valley of the Gods" - Bluff, Utah
Airport ID: „AW01“
- AIRWOLF cave in Europe near Dresden (Germany – Elbsandsteingebirge)
Airport ID: „AW02“

Realism settings

Once you have everything selected as desired, use "Start Flight" the. When you see the cockpit, use the "ALT" - button and check the realism settings. Please turn the slide of the "flight model" to "simple ", otherwise the AIRWOLF not in the supersonic region can be controlled.

The AIRWOLF model



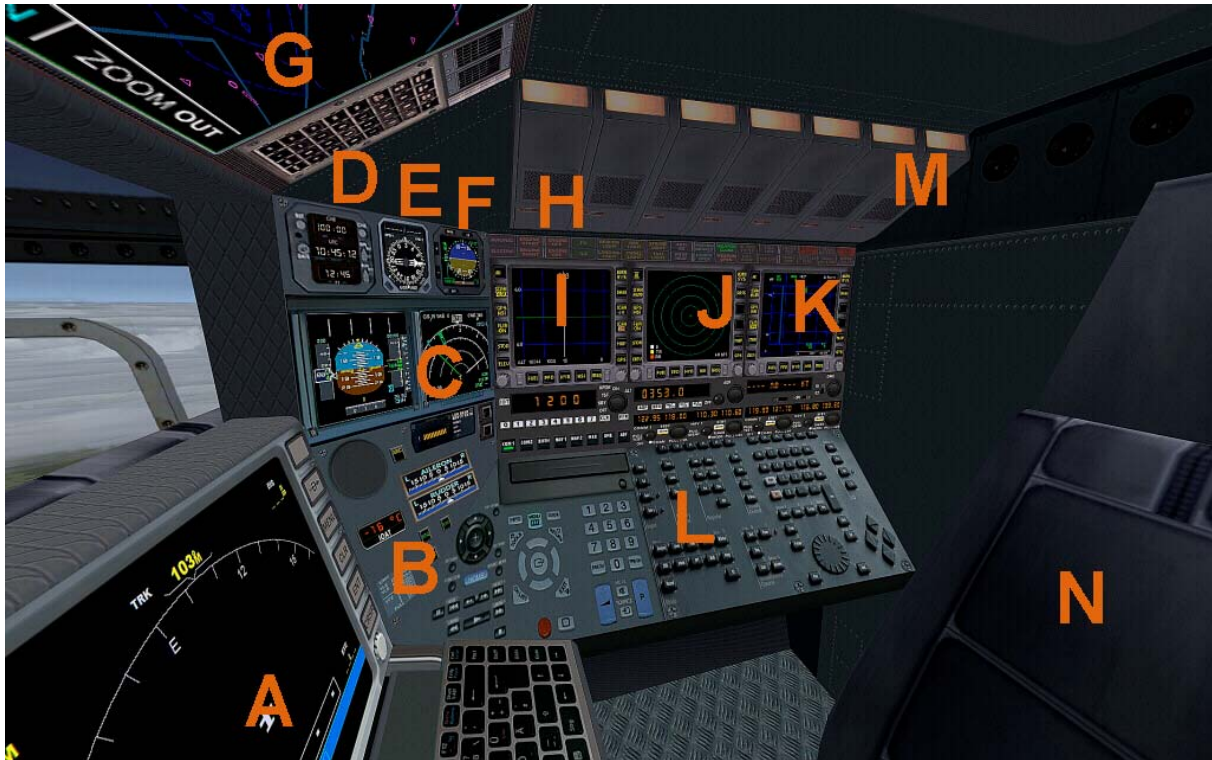
- A - Rotor - rotating (0% to 50% thrust - Rotor - mode)
- B - Rotor head retracted (50% to 100% thrust - Jet - mode)
- C - Rotor - adjustable
- D - Aerodynamic nose for the supersonic flight
- E - Seat of the commander and weapons specialists
- F - Seat of the system officer
- G - Cabin deck: 2 seats, a couch to sanitary purposes, as well as:
Medical equipment for emergency resuscitation measures
- H - Side armory
("Shift W" or "Ctrl W" to turn in and out)
- I - Push lever (0% to 50% thrust - Rotor - mode)
(50% to 100% thrust - Jet - mode)
- J - Gear (key "G"to A and out)
- K - Turbine engine with afterburner and left adjustable nozzle
- L - Upper right Turbine engine
- M - Aerodynamic stabilizer
- N - Antenna system
- O - Fan to the side stabilization (replacement for the tail rotor)
- P - Aerodynamic side stabilizer
- Q - R - Lighting systems (press "L ")

The Commander in AIRWOLF



- A - Clock UTC / Local Time / Stopwatch
- B - Landing gear lever
- C - D - E - Multi-function displays (please press switches)
- F - Electrical ads
- G - Avionic / battery switch
- H - Engine control switch
- I - FD and ILS approach switch
- J - Light control switch
- K - Anti-Ice and Pitot heating
- L - Parking brake and door opening
- M - Weapons Control Power Switch
- N - QNH Switches and Indicators
- O - Transponder ID and emergency switch
- P - MAP, GPS display and kneeboard can
- R - Engine Indicators
- T - Speed sensor for the rotor - mode (0% to 50% thrust)
- U - Rotor rotation indicator (0% to 50% thrust - Rotor - mode)
- V - Mode indicator (50% to 100% thrust - Jet - mode)
- W - Radio Control Operation (transponder, ADF, NAV 1 and 2, Radio 1 and 2)

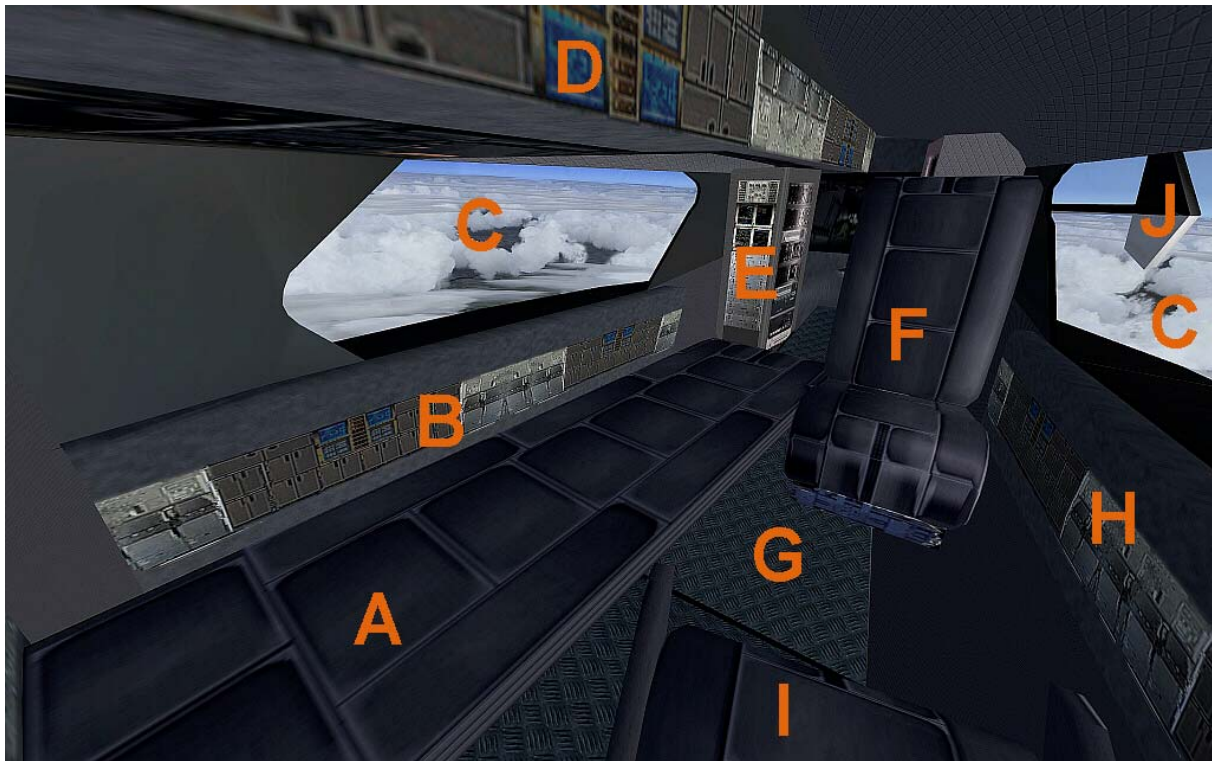
The system officer in AIRWOLF



- A - GPS Control Unit
- B - Center console with a variety of switches
- C - Primary Flight Displays
- D - Stopwatch, world time, local time
- E - Radio compass with two needles (RMI 1 / 2 and DME 1 / 2)
- F - Primary Flight Display 2
- G - Site map system
- H - Control switch (as in the panel of the Commander)
- I - J - K - Multi-function displays (please press the switches)
- L - Side Control Unit with Blu-Ray - Brenner
- M - Lighting system for the deck system
- N - Seat of the system officer

Zoom in virtual cockpit by pressing the "+" or "-"

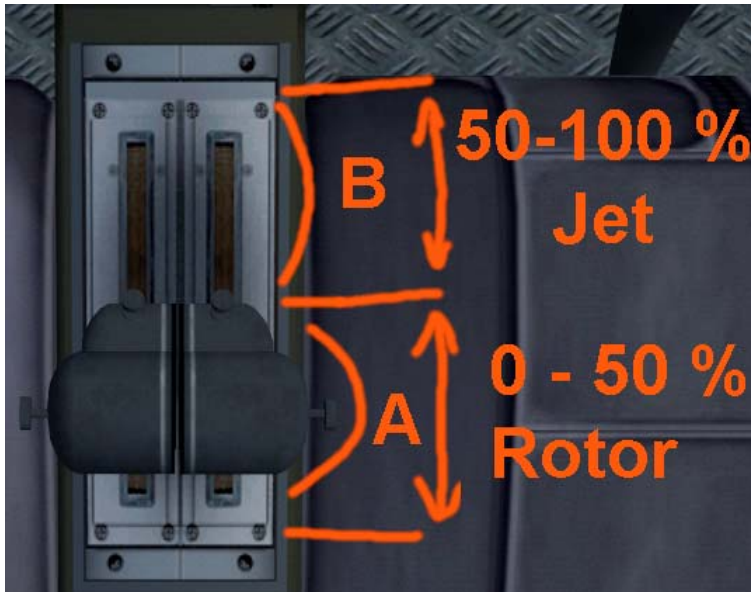
The cabin deck



- A - Lying to medical purposes
- B - Medical equipment for emergency resuscitation measures
- C - Cabin deck windows
- D - Equipment subjects
- E - Central computer of AIRWOLF
- F - Seat of the medic
- G - Hatch and parachute jump (in flight charge gap open "SHIFT E ")
- H - Side gear compartments
- I - Passenger seat
- J - Aerodynamic stabilizer, can be seen from the cabin deck window

Zoom in virtual cockpit by pressing the "+" or "-"

The rotor system of AIRWOLF



A - Rotor Mode (less thrust key "F2") ►

0 to 50% Thrust: helicopter mode, please fly AIRWOLF like a regular helicopter, you refer to in the flight school of Microsoft Flight Simulator to see how a helicopter is flown.

B - jet mode (more thrust key "F3") ►

50 to 100% Thrust: jet mode, please fly AIRWOLF like an ordinary airplane, read to the flight school in the Microsoft Flight Simulator to see how the airplane is flown.

Note: possible confusion! Make the transition from helicopter to jet mode and back to the intent in the helicopter mode! Rapid thrust changes instantly change the aerodynamics, which can lead to Kontrollverlust and crash.

Caution: Flutter MACH possible! If you give abruptly thrust, created uncomfortable flutter MACH. Please take this slightly thrust out, otherwise the AIRWOLF be seriously damaged.

Control of the opponent AIRWOLF:

The opponents AIRWOLF (Concept Aircraft) to be controlled just like AIRWOLF.

0 to 50% Thrust: ► helicopter mode

50 to 100% Thrust: ► jet mode

The AIRWOLF Story (fiction after 80 years series)

The AIRWOLF pilot Stringfellow Hawke is a loner who lives in a hut outside the city in the mountains with his dog "Tet". He studied here in the surrounding nature and wildlife to escape his loneliness. Inherited Hawke is a recluse who spends the most time alone with his priceless collection of paintings that he (the art was a gift for his grandmother) from his grandfather. He has serenaded an eagle with his equally priceless Stradivarius cello. His only real friend, mentor and surrogate father, the older, eternally cheerful Dominic Santini, who Stringfellow and his brother Jin-John Hawke, after her parents died, commenced with him. Stringfellow and Dominic's father served together in World War II.



Before Stringfellow Hawke began hermit life, he was a CIA top test pilot on the top-secret AIRWOLF, a supersonic attack helicopter with stealth capabilities and a formidable arsenal. The AIRWOLF was built by a division of the CIA, the Department Head Michael Coldsmith Briggs III (CIA Code Name: Archangel) was. Airwolf Chef - Development Engineer Dr. Moffet was stolen. Unfortunately, this turned out to be corrupt and mental health, as he has the AIRWOLF stolen in a bloodbath and flee to Libya.

CIA agent "Archangel" asked the now stepped out of the CIA, Hawke, whether he is an agent to Libya to take the helicopter back. CIA agent "Archangel" Moffet has a erblindedes left eye from the effects of Blutgemetzels of Dr. AIRWOLF thief when he stole the AIRWOLF. Fearing that the mission Hawke AIRWOLF would refuse again, the CIA confiscated his art collection, leaving CIA agent "Gabrielle", which should prepare Hawke in his mission AIRWOLF.

CIA agent "Gabrielle" and Hawke fall in love.

"Gabrielle" One month later, with support as an undercover sent to Libya in order to Hawke in his mission AIRWOLF. Unfortunately, "Gabrielle" and uncovered by Dr. Moffet in a perverse way, tortured to death. This in turn lengthens, however, from Hawkes mission, so that could come with Hawke Santini, who had traveled to Libya with, relatively unnoticed on the palace grounds on which the AIRWOLF was guarded by the most severe military control.



With Mr. Santini's support could go to the Hawke AIRWOLF, enter the code and start to win back the machine. After the start, and full use of arms against the Libyan security forces, he sought the AIRWOLF for "Gabrielle", which he found dying in the Sahara desert. After it was "Gabrielle" died in his arms, Hawke flew with the AIRWOLF the tire tracks of SUVs behind Dr. Moffet. He must comply with the AIRWOLF the first mission against Libya and artillery battle, consisted of Russians of old but effective technology. He followed the tire tracks until the middle of the desert, finally, Dr. Moffet, standing in his SUV, and found him shot AIRWOLF with rocket launchers.

After that decided the Hawke AIRWOLF keep, rather than the CIA to return. AIRWOLF Hawke refuses to return the AIRWOLF the CIA until his demands, such as to search for his missing in action brother Jin-John Hawke, followed. CIA agent "Archangel" initially has problems with Hawke's behavior, but this understanding and proposes Hawke presented a bold deal. Hawke can keep the AIRWOLF unofficially when espionage - flying missions for the CIA. It offers CIA agent "Archangel" in to hold government agencies and other threats from him and his AIRWOLF. Hawke flies since the AIRWOLF missions for the CIA, which are of national importance. At the same time he looks but also for his missing brother. He is more and more intrigued in connection with the disappearance of his brother on the track, and has learned that his brother's family to know that he could save the AIRWOLF.

Hawke and Santini hidden in the AIRWOLF in an extinct volcano, a cave of the "Valley of the Gods" Mountains. From here, fly AIRWOLF of his missions.



Technical data of AIRWOLF

Length	9.60 m
Width	2.90 m
	extended cannon: 3.30 m
Fuselage diameter	8,14 m x 9,40 m
Height	2.30 m (jet mode)
	2.90 m (rotors mode)
Rotor diameter	10.00 m
Rotor surface	16.00 m ² :
Maximum takeoff weight	4000 kg
Empty weight	1500 kg
Cruising speed	1920 km / h
Passengers	7
Flight range	155.2 thousand km
Fuel capacity	1920 l
Service ceiling	33 700 m
Engines	4 Afterburner engines per 30 000 hp



Redwolf - An opponent for AIRWOLF (fictitious)

During the Cold War, the United States and the former Soviet Union mortal enemies. Have invested billions of these superpowers in the military to upgrade to one another. However, when it went to save the mighty of the country's life, then was working in silence together. In a secret meeting of representatives of the two superpowers espionage at a secret location has been decided to develop the protection of the powerful, a common air rescue combat vehicle. This advanced technology aircraft should be fitted by the two sides.

There were 3 prototypes were built. There is a helicopter, which can be transformed by the insertion of the rotor in a jet. This is a 3 crew consisting of pilot, systems officer, and medical board and 5 luxury seats for the high-level powerful people, and a Holemaligberth for a hyper sleep. Redwolf has remote-controlled drones for reconnaissance and combat air and ground security. In addition, Redwolf 3 100mm and 2 x 4 Rohrig Rohrig 40mm cannon and a defensive shield that a sophisticated attack and Defense Computer System is available.

Technical data of Redwolf

Length	7.60 m
Width	2.70 m
	extended cannon: 3.00 m
Fuselage diameter	7,14 m x 8,40 m
Height	2.00 m (jet mode)
	2.26 m (rotors mode)
Rotor diameter	8.00 m
Rotor surface	10,00 m ² :
Maximum takeoff weight	4000 kg
Empty weight	396 kg
Cruising speed	1920 km / h
Passengers	7
Flight range	55.2 thousand km
Fuel capacity	920 l
Service ceiling	33 100 m
Engines	A single suction engines



Grey Shark - AIRWOLF archenemy (fictitious)

"Grey Shark" was developed by scientists kidnapped by airpirates and aircraft manufacturers. Grey Shark is not quite as powerful as the AIRWOLF, but he is a serious opponent. He can take off and land vertically and can carry much load, mainly for captured objects. That of "Grey Shark" looks disgusting is the hijacked aircraft manufacturers thanks to the hijackers who wanted to miss a lesson. The pirates will find the look very successful, which reminds strongly of a failed gray shark. Hence the code name "Grey Shark".

Technical data from the Grey Shark are unknown.

Right

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This product is a Add-On for the Microsoft Flight Simulator. It is build with FSDesign Studio 3, PHP and XML. Please use a licenceversion of the Flight Simulator only.

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