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# THE UKMIL ROYAL NAVY



## HARRIER FRS1

**For Flight Simulator 9 only  
[Non FSX compatible]**

**OPERATORS MANUAL  
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# **INTRODUCTION**

Welcome to the UKMIL Royal Navy Harrier FRS1. This aircraft has been designed in FS3 for Microsoft Flight Simulator 2004. In this pack, you will get

- 8 Versions.
- 7 Texture Sets

### **COPYRIGHT**

This aircraft is the property of UKMIL and as such, may not be modified in any form. This includes any part of the aircraft features except the textures. This helo may not be uploaded to ANY other site without prior consent of the UKMIL team. The files in this pack are classed as freeware, and may not be sold, or placed on any form of media for distribution.

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## **DISCLAIMER**

UKMIL takes no responsibility for the files in the pack. They are released at the user's risk only, and any damage to the end user machine, both software or hardware, can not be directed at the UKMIL files, or designers.

The self install file will install all files you need. It DOES NOT come with an UNINSTALL option. ALL gauges are added to the Aircraft Panel folder, and NOT to your main gauges folder.

# **Contributions**

## **Model Designers**

Matthew Ivey

## **Panel Designers**

Ben Hartmann

UKMIL Gaffer

## **Texture Designers**

UKMIL Gaffer

Matthew Ivey

## **CFG and AIR File Designers**

Rob Barendregt

Paul Clawson

Doug Dawson

UKMIL Gaffer

## **BETA TESTERS**

Thanks to the UKMIL CLUB member ADOUR for his feedback on this. If you want sneak previews of the ukmil aircraft, then join the Club over at <http://www.ukmil.org.uk>

## **VTOL WORKS**

Many thanks to ROB BARENDREGT for his magnificent work on this harrier. His use of the VTOL gauges and files has given true VTOL to this project. Without his help, this aircraft would not be possible. Many many thanks!!

Other items used are freeware items such as

the panel bitmap by Phil Perrott

also thanks to EIRC MARCIANO for the Radar and HUD

## **GENERAL FEATURES**

This harrier comes with many features including a VC [although very basic] and working nozzles and nosewheel.

## **VTOL OPERATION**

To get TRUE Vtol operation you must have the following installed on your FS2004 installation

**\*\*\*\* IMPORTANT \*\*\*\***

- *This solution also requires prior installation of FSUIPC: FSUIPC.dll (v3.4.4 or newer, registered or unregistered). If not yet installed, you can download the latest version of FSUIPC at:*

*<http://www.schiratti.com/dowson.html>*

- *In menu "Aircraft-Realism Settings", select "Ignore crashes and damage",*

*and uncheck the box "Autorudder".*

- *In menu "Views-View Options, select SpotPlane and uncheck the box "Gradual Transition".*

*See also section "limitations" for an explanation.*

To see the aircraft correctly when is **SPOT VIEW**, you must also **UNTICK** the **GRADUAL TRANSITION** box, or it will look very jerky

Just like in real life, you will be unable to VTOL the harrier with a full fuel load, as it is just too heavy. Please take the fuel load down to around 50% before attempting VTOL

VTOL operation happens when the nozzles are at 90 degrees as seen on the cockpit gauge. Any greater

increment will make the aircraft fly backwards [great for the famous nose drop manoeuvre]. Any less nozzle, and the aircraft will fly forwards

To transition away from VTOL, slowly retract the nozzles and flaps one increment at a time.

To transition into VTOL, slow the aircraft to around 70 knts, using the airbrake and flaps, and then simultaneous apply full power and 90 degree nozzle.

For more detailed instructions on both the VTOL and Fuel Dump systems, please read Rob's extensive README's located in the

Ukmil harrier frs1/panel/rcb-gauges folder in your flightsim aircraft folder

Above all

Have fun

The UKMIL TEAM

Visit us at

[HTTP://WWW.UKMIL.ORG.UK](http://www.ukmil.org.uk)

## THANKS TO OTHERS

This project also includes work from other designers, specifically in the gauges, which are third party freeware gauges, such as the F16 radar. We thank the creator of these for their work, and allowing us to use it