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### ***Military AI Works, Spanish Air Force Hornets***



**For FS 2004 / FS9**

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This package, from Military AI Works, depicts the EF-18 Hornet Multi Role Fighters of the Spanish Air Force (*Ejército del Aire*). Featured in the package are the Hornets based at Zaragoza and Torrejon airports in Spain, and Las Palmas/Gando airport on the Island of Gran Canaria. The Spanish Air Force have a total of 88 active EF-18A/B Hornets divided into 3 Grupos comprising a total of 6 Escuadróns. As a special added bonus for this package we have included the C-130 Hercules of ALA31 based at Zaragoza Airport.

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## 1. About MAIW

Military AI Works (MAIW) is a loosely affiliated, international group of flightsim enthusiasts who share the common goal of seeing realistic military AI traffic in MS Flightsim. Our goals:

- 1) Produce only high-quality, freeware packages and products
- 2) Create military AI traffic accurately within the bounds of MS Flightsim
- 3) Promote new freeware military AI models, scenery and products
- 4) Advance military AI modeling of countries around the globe
- 5) Respect the rights of designers and contributors

To learn more about MAIW or to become a contributor, visit our website at [www.militaryaiworks.com](http://www.militaryaiworks.com)

## 2. Credits

Models:

- F-18 Hornet by Nick Black
- C-130 Hercules by Henry Tomkiewicz

AFDs:

- Nick Black

Flight Dynamics:

- Mike "mikewmac" MacIntyre and other relevant authors
- C-130 Hercules Lighting enhancements by Graham King

Effects:

- Mike MacIntyre
- Henry Tomkiewicz
- Nick Needham

Repaints:

- Mark Walsh (F-18)
- Graham King (C-130)

Voicepacks:

- Nick Black

Flightplans:

- Nick Black – (F18)
- Barry Taylor – (C130)

Scenery Enhancements:

- Nick Black

Airport Background Polygons and Land Class:

- Edith Black and John Stinstrom

MAIW Scenery Library Objects:

- John Stinstrom and Edith Black
- Matthew Tomkins and Ted Andrews
- Sidney Schwartz

Beta Testing:

- Willy Elliker, Mathew Ciao and Steve Holland

### 3. Units Included in this Package

**Torrejon Airport (LETO)**

Ala12/Gr.12 EF-18A/B



121 Escuadron



122 Escuadron



**Zaragoza Airport (LEZG)**

Ala15

EF-18A/B



151 Escuadron



152 Escuadron



153 Escuadron



Ala31

C-130H/ KC-130H



311 Escuadron



312 Escuadron



Gando Airport (GCLP).

Ala 46

F/A-18A



462 Escuadron



## 4. Installation

### Step 1) Install this package

1a) Install the package in accordance with the on-screen prompts

### Step 2) Remove duplicate AFD files

Open your "Flight Simulator 9/Addon Scenery/scenery" folder and remove any previously installed AFD's for the following airports (e.g. "AF2\_XXXX.bgl," "AF2\_XXXX\_DEFAULT\_XX.bgl," "AFX\_XXXX.bgl," or "PAI\_AF2\_XXXX\_DEFAULT.bgl") NOTE: LEAVE ALL AFDS BEGINNING WITH "MAIW" as they were installed with step 1:

LETO

LEZG  
GCLP

NOTE: Failure to remove these duplicate files may result in problems with AI aircraft parking and operation. It is recommended you move these to a temporary folder instead of deleting them; however, you should not need them again as the AFDs included in this package are thoroughly researched and highly detailed. If you are using add-on scenery for one of the above airfields, it is recommended you do NOT remove the AFD for the add-on scenery, but instead remove the MAIW AFD file (e.g. MAIW\_AF2\_EXXX\_DEFAULT.bgl) after installation.

### **Step 3) Install callsign voicepacks**

**3a)** If you don't have the EditVoicepack 3.1 freeware installed, download it and install it by [clicking here](#).

**3b)** Run EditVoicepack and import all vcpmod files included in with this installation

**3c)** Choose "Import" from the "File" menu

**3d)** Find the folder "Flight Simulator 9\Military AI Works\Spain\Spanish Hornets\Callsigns" in the "Look in:" window

**3e)** Select all the files and click open The following callsigns should be added:

AME  
DOCKER  
DUMBO  
EBRO  
MARTE  
POKER

**3f)** Update the Voicepack for FS9 by choosing "Update Voicepack" from the "File" menu--ensure the "Custom/Callsigns" box is checked in the left hand window. (note: the update may take a few minutes—do not attempt to start FS9 until the update is complete. Look for "Ready" in the lower left corner)

**3g)** When ready press save to keep the modifications

### **Step 4) Install Custom Scenery**

Included in this package is a set of buildings as custom scenery to spruce up the airports. It should be noted that not installing the scenery will not detract from your enjoyment or use of this package however. To install this scenery you need to do the following:

- 1) The folders “MAIW Spanish Airbases” and “MAIW Scenery Library Objects” have already been installed into the “Addon Scenery” folder of your FS directory. In order to activate this scenery you must start FS9, go to Settings and find the Scenery Library.
  - 2) Click on “ADD AREA” and navigate to the “MAIW Spanish Airbases” and “MAIW Scenery Library Objects” folders which should be, by default after installation, located in “Flight Simulator 9\Addon Scenery”. **\*\*\*Note it is important that you place the “MAIW Scenery Library Objects” folder as far down your addon scenery list as possible by using the Move Down button. Ideally they should be lower than any other scenery you may have added and just above the default FS9 scenery libraries.**
  - 3) Shut down FS and then when you restart the scenery will be installed and ready to use.
- \*\*\* Please Note \*\*\* - The scenery enhancements included with this package are created from the MAIW Scenery Libraries, which are a collection of objects that can be used to enhance default FS airports. This scenery is not intended to be accurate, but instead to be a representation of the buildings situated at each base.

***That’s it! You’ve successfully installed this package.***

## 5. Troubleshooting

### **Problems addressed:**

[“I’ve installed the package, but there are no Military AI aircraft at the airports”](#)

[“When I go to an airport, there are AI planes parked on top of one another”](#)

[“I can’t find the aircraft in the aircraft selection menu”](#)

[“When the Military AI planes talk to ATC, they use only numbers, not callsigns”](#)

[“I’m following the Military AI aircraft, and they won’t come back for touch-and-gos”](#)

**Problem: “I’ve installed the package, but there are no Military AI aircraft at the airports”**

Potential issue: FS9 AI traffic density set too low

Fix action: In FS9, set the AI traffic density slider to at least 20%.

**Problem: “When I go to an airport, there are AI planes parked on top of one another”**

Potential issue: Multiple AFDs active for the same airport

Fix action: Using Windows Explorer, open the folder “Flight Simulator 9/Addon Scenery/Scenery.” Look for duplicate entries for the following airport identifier:

LETO  
LEZG  
GCLP

Files may be named in several ways. The most common are “AF2\_EXXX.bgl,” “AF2\_EXXX\_DEFAULT\_XX.bgl” and “PAI\_AF2\_DEFAULT.bgl.” Keep the file names starting with MAIW and remove all others with duplicate airport identifiers.

**Problem: “I can’t find the aircraft in the aircraft selection menu”**

Issue: These are AI aircraft and have been programmed to not show up in the flyable aircraft selection menu

Fix action: If you simply must select these aircraft, use an editing program such as AirEd and change the Aircraft type from “2” to “0”

**Problem: “When the Military AI planes talk to ATC, they use only numbers, not callsigns”**

Potential issue: Callsign Voicepacks were not installed correctly

Fix action: Run the EditVoicepack software. Look for the following callsigns in the “custom modifications/callsigns” section of the program:

AME  
DOCKER  
DUMBO  
EBRO  
MARTE  
POKER

If any of these are missing, choose “File/import” and open the appropriate .vcpmo file in the folder:-

“Flight Simulator 9\Military AI Works\Spain\Spanish Hornets\Callsigns

Once this is complete, or if all callsigns are present, ensure the “Custom/Callsigns” box is checked in the left hand window and choose “File/Update Voicepack” to install them into FS9 (this may take a few minutes, do not open FS9 until the lower left of the EditVoicepack screen says “Ready.”)

**Problem: “I’m following the Military AI aircraft, and they won’t come back for touch-and-gos”**

Potential issue: You’re following your AI aircraft



Fix action: Stop following your AI aircraft. For some reason, a watched AI aircraft does not always behave the way it is programmed to. If you wait for the aircraft at the airport, it will arrive on schedule

## 6. Notes and Resources

This package was built by the [Military AI Works](#) online community. If you are interested in making Military AI traffic more realistic, visit this site!

### Flightplans:

The Flightplans are fictional, but have been researched via Internet and message forums. We have tried to make the plans as “realistic” as possible and have had to use our own judgment. Aircraft in this package fly to bases that may need you to download a separate AFCAD for the aircraft to show up there, AFCADs may be found at Avsim.com, Flightsim.com and the Project AI Afcad site

All Flightplans were created using Notepad.

Flightplans were installed using Lee Swordy's [TrafficTools](#) freeware traffic compiler.

### Callsigns:

The callsigns used in this package are actual callsigns used by these units, based on information obtained in manuals and on internet.

All callsigns were created using the ingenious [EditVoicepack](#) freeware. This program is extremely simple and fun to use—if you need a new AI callsign, give it a try!

### AFDs:

All AFDs were created using AFX from [Flight1 Software](#).

## 7. Permissions and Disclaimers

### Adverse Effects:

The contents of this package should not adversely affect your FS9 or computer operation if installed according to the instructions. The authors make no guarantee and bear no responsibility for adverse operation or lost/overwritten files on your computer.

### Use of Contents:

THESE FILES MAY ONLY BE UPLOADED TO AVSIM or FLIGHTSIM.COM BY THE AUTHOR(s)

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Upload to FSPLANET.com will never be allowed by Military AI Works.

Any questions, suggestions and feedback on the contents may be directed to the forums at [www.militaryaiworks.com](http://www.militaryaiworks.com)

Sources:

All information used to create this package was obtained via online, open-source research. All flight plans and schedules, while reasonable for military units, are fictional.

Thanks to everyone who made this possible.