

OpenFlight API

Release Notes

Version 3.2.2 for Windows
March 2007



MultiGen-Paradigm
VISUALIZE REALITY

Release Notes OpenFlight API Version 3.2.2 for Windows

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Release Notes

These release notes describe OpenFlight API software release v3.2.2. This release is distributed as a patch release identified as patch OF-W-320-002. This software patch corrects significant defects found in OpenFlight API v3.2 for Microsoft Windows and requires OpenFlight API v3.2 to be installed. See “New in this Patch” on page 5 for the list of defects corrected by this patch.

To read PDF documents, you must have Acrobat Reader installed. If you do not have this application installed, you can download a copy from Adobe at:
<http://www.adobe.com/products/acrobat/adobepdf.html>

For the latest OpenFlight API product information, visit our web site at:
<http://www.multigen-paradigm.com>.

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Compatibility Issues

This section describes compatibility issues between OpenFlight API v3.2 and v3.2.2.

Operating Systems

OpenFlight API v3.2 and v3.2.2 require the Windows XP Professional operating system.

Installation

This patch does not include a complete OpenFlight API installation. Rather, it includes only those files required to correct the problems listed below. The files included in this patch **REPLACE** those of the original OpenFlight API v3.2 installation and any previous OpenFlight API 3.2 patch installations.

If you have installed OpenFlight API patch OF-W-320-001, uninstall it before installing this patch. Patch OF-W-320-002 includes all fixes and updates included in patch OF-W-320-001.

INSTALL THIS PATCH --ONLY-- IF YOU HAVE ALREADY INSTALLED OPENFLIGHT API VERSION 3.2 ON YOUR WORKSTATION. INSTALLING THIS PATCH BY ITSELF OR ON TOP OF ANY OTHER VERSION OF THE OPENFLIGHT API WILL PRODUCE UNDESIRABLE RESULTS.

Installation Instructions

1. Exit any instances of Creator or OpenFlight API based applications that are running on your computer.
2. Download the patch archive file `of-w-320-002.zip` from the MultiGen-Paradigm web site <http://www.multigen-paradigm.com> to your computer.
3. On your computer, extract the contents of the patch archive file to a temporary folder. Included in the patch archive file is the patch installer `of-w-320-002.exe`.
4. In the temporary folder, double click the patch installer `of-w-320-002.exe`.
5. Follow the instructions displayed.

Verifying the Patch is Installed

Note that after you install this patch, the Start Menu item for MultiGen-Paradigm OpenFlight API will still be labeled OpenFlight API 3.2. Similarly, OpenFlight API will still use the registry entries contained in

```
\\HKEY_LOCAL_MACHINE\SOFTWARE\MULTIGEN-PARADIGM\  
OPENFLIGHTAPI\3.2
```

instead of creating a new registry key for version 3.2.2.

There are two ways to verify this patch has been installed.

1. In your Stand Alone Program: When your stand alone program calls `mgInit`, the version number of the API is displayed on the console window. Verify that the version number displayed is 3.2.2.
2. In Windows Explorer: Verify the dates on the files listed in “Files Included in this Patch” on page 6. If the patch is installed correctly, the dates on these files will be 03/16/2007 (unless noted otherwise).

New in this Patch

Note that this patch includes all fixes addressed in the previous OpenFlight API patch `OF-W-320-001` as well as those new in this patch `OF-W-320-002`.

This section lists the defects/bugs corrected by this patch. Where applicable, the defect/bug number is listed.

Fixed in Patch OF-W-320-002

Number	Description
15621	UNC File Names Fixed to handle UNC file names in OpenFlight files correctly for texture, external reference and shader files.
15900	Memory Leak in mgGetXform Correctly deallocate memory allocated and returned by OpenFlight API function <code>mgGetXform</code> .
15619	Tag Along Extension Records saved to file Fixed Tag Along Extension records to correctly save to the OpenFlight file.

Fixed in Patch OF-W-320-001

This section describes fixes introduced in OpenFlight API patch OF-W-320-001 which are also included in this patch.

Number	Description
15212	OpenFlight API Reference Pages The OpenFlight API Reference Manual (HTM) distributed with OpenFlight API 3.2 was not the correct version. The correct version has been included in this patch and has been updated accordingly with new functions for 3.2.1.
13288	Reference manual corrected for function mgSetTextureTexels Corrected reference manual to reflect correct return type.
12710	Reference manual enhanced for function mgMeshPrimitiveGetVtxIndexArray Enhanced reference manual with additional information.

Files Included in this Patch

In folder

```
c:\program files\multigen-paradigm\openflightapi_3_2\
samples\apps\bin:
mgapilib.dll
mgapishared.dll
mgapitools.dll
mgimgio.dll
mgtxtmgr.dll
```

In folder

```
c:\program files\multigen-paradigm\openflightapi_3_2\include:
mgapinotifier4.h (03/20/2007)
```

In folder

```
c:\program files\multigen-paradigm\openflightapi_3_2\
docs\manypages:
list.htm (03/20/2007)
```

In folder

```
c:\program files\multigen-paradigm\openflightapi_3_2\
docs\manypages\html:
All files in this folder (03/20/2007)
```

In folder

c:\program files\multigen-paradigm\openflightapi_3_2\docs\onepage:
 list.htm (03/20/2007)
 mgapi.htm (03/20/2007)

In folder

c:\program files\multigen-paradigm\openflightapi_3_2\docs:
 OpenFlight_API_Reference.htm (03/15/2007)
 readme-of-w-320-002.txt (03/20/2007)

Getting Technical Support

The following table contains MultiGen-Paradigm, Inc., contact information for product support.

Contact Method	For Product Support:
E-mail	creator@multigen-paradigm.com
Web Site	http://www.multigen-paradigm.com
Customer Support and Licensing	USA and International 877-289-5670 (toll free)

Telephone support is available to those customers with active software maintenance contracts.

Another excellent source of information is the OpenFlight API User Forum on the MultiGen-Paradigm web site, <http://www.multigen-paradigm.com>
 Click **User Forum**.

And be sure to check the MultiGen-Paradigm, Inc., web site (<http://www.multigen-paradigm.com>) often for the latest fixes, patches, and functionality enhancements.
 Click **Support**.

