

# **Oolite**

### Version 1.82

### Installation

### MacOSX

Drag the 'Oolite' folder (containing Oolite, this Read/Me, the Licenseand the 'AddOns' folder) to any convenient place on your hard drive. If you are upgrading from a previous version of Oolite then drag the Oolite application from this disk's Oolite folder to your own Oolite folder.

To run the game, double-click on the file 'Oolite.app' (the Oolite icon) in the 'Oolite' folder.

Oolite requires MacOSX 10.5 or later

#### Windows

A folder called 'Oolite' has been created in Start-> Program Files. This folder has icons for running the game, the reference sheet, the link to the official Oolite website, the Advice for New Commanders guide, this Read Meand an uninstall program.

To run the game, choosethe Oolite icon in the 'Oolite' folder.

### Start Menu

When starting Oolite, a menuwith six options will be displayed.

### Start New Commander:

Starta newcommander. Three starting scenarios are available by default, though expansion packs may add more. New players may wish to start with the Tutorial scenario which introduces the basics of flight and combat. A commander started with the Strict Mode option will never have any expansion packs affecting them, even if you later in stall some.

### Load Commander:

Loadan existing commander file

# ViewShipLibrary:

View the specifications and descriptions of the ships and other common space objects

# ViewKeyboardSettings:

Viewthe current keyboard settings

### ManageExpansionPacks:

 $In stall and remove expansion packs. Not all expansion packs can be in stalled and removed by this method-others, especially older ones, can be found at <math display="block"> \underline{ http://wiki.alioth.net/index.phpOXP\_List}$ 

### Exit Game:

Exit the game

### **Controls and Commands**

The current keyboard settings can be viewed by selecting "View Keyboard Settings" at the start menu. The list below describes the default key settings.

# MacOSX

O o lite is mostly controlled from the keyboard and joystick, although the mouse can also be used in full-screen mode.

# Windowsand Linux

Oolite can be controlled from the keyboard, joystick or mouse

### In DockCommands:

1 or f1 • Launch. Propelsyour spacecraft from docked station.

### 2 or f2 • Quick-Save/ Save/ Load

Use  ${\bf up}$  and  ${\bf down}$  cursor keys to select,  ${\bf return}$  to choose.

# GameOptions...

### Autosave

Use left and right to enable/disable the autosave feature.

When enabled, Autosave will create a savedgame every time you launch from a planetary station.

# DockingClearanceProtocol

Whenenabled, the main Galcop station (and some OXP stations) will use the docking clearance protocol, and docking without clearance will result in a fine.

# • SoundVolume

 $Use \ \textbf{left} \ or \ \textbf{right} \ to \ adjust the \ volume for \ effects \ and \ spoken messages.$ 

## SpokenMessages

Use left or right or return to toggle speechon/off.

 $Spoken messages uses the {\it default} voice chosen in System Preferences on Mac, or a {\it selectable} voice on Windows and Linux.$ 

### • Music

Use left and right to toggle musicon/off.

#### • Full Screen Mode

Use left or right to select screen size and refresh rate.

Changes will only apply the next time you switch into full-screen mode.

### • Play in Full Screen/ Play in Window(Windows/ Linux only)

 $\label{press} \textbf{Enter} to toggle between Window and Full Screen game view.$ 

 $(\textit{Mac:} \, \mathsf{Press} \, \#\, \mathbf{F} \, \mathsf{duringflight} \, \mathsf{to} \, \mathsf{toggle} \, \mathsf{betweenthe} \, \mathsf{two.})$ 

### WireframeGraphics

Use left and right to select/deselectretro-look wireframe graphics mode.

### GraphicsDetail

Use left or right to adjust the desired level of graphics detail. The number of options available depends on your graphics hardware.

#### • Gamma

 $Use \textit{\textbf{left}} \ or \ \textit{\textbf{right}} to \ adjust the gamma correction setting if your monitor requires it.$ 

### JoystickConfiguration

Press Enter to go to the joystick calibration and configuration screen.

### • Back

Bringsyou backto the previousscreen.

### • End Gameand Return to Menu

Press return to reset the game to the starting menu.

### • Exit Game (Windows/ Linuxonly)

Press Return to quit the game.

# 3 or f3 Ship Outfitting/ Ship Purchase (toggles between the two)

Use **up** and **down** cursor keys to select, **return** to purchase. Use **left** and **right** cursor keys to move between pages.

### 4 or f4 Ship and Station Interfaces

Use up and down cursor keys to select, return to open the selected interface.

Use left and right cursor keys to move between pages

### 5 or f5 Status/ Ship's Manifest (toggles between the two)

Use left and right cursor keys to move between pages

# 6 or f6 Short Range Chart / Galactic Chart (toggles between the two)

 $\label{thm:cursor} Use \textbf{cursor} \textbf{keys} \text{ or the } \textbf{mousebutton} \text{ to select a hyperdrive target system}.$ 

Use Homekey to select the current system.

 $On the \ Galactic \ Chart only, you may type \ a \ star name to \ locate it.$ 

Also on the Galactic Chart:

'^ plots the route from your current system to your target system (requires advanced navigational array).

'?' highlights systems by economy, government or tech level (requires advanced navigational array).

On the Short Range Chart:

 $\hbox{'i' shows information for each system (economy, government and tech level)}.$ 

### 7 or f7 Planetary Database (shows data on the selected system)

### 8 or f8 Commodity Market

Use  $\boldsymbol{up}$  and  $\boldsymbol{down}$  cursor keys to select,

right to purchase commodity, left to sell commodity.

Return buys or sells as much of the selected commodity as possible.

### Flight Key Commands:

### AttitudeControls:

Left & Right Roll
Up & Down Pitch

Holding Ctrl will turn more slowly.

### Drivecontrols:

w IncreaseSpeeds DecreaseSpeed

# Hyperspeed:

j Toggle the in-system hyperspeed drive ("Torus Jump Drive") on and off. The drive is disabled by nearby mass/gravityeffects.

# Hyperdrive:

h Activate the hyperdrive, also known as the witch space jump drive. This drive must have a target destination

selectedin one of the charts.

g Activate the Galactic Hyperdrive (if installed).

### Fuel Injection:

i Activate the afterburner Witchdrive Fuel Injectors (if installed).

# Other controls:

p Pause/ un-pausethe game (only during flight).

While paused you can access some elements of the Options menuby pressing 2 or 12 . Also while paused you can press  ${\bf o}$  to Hide/Show the HUD. Useful for taking screen shots.

### Weaponry:

a Fire main weaponfor the facing chosen
Underscore Toggle weaponslockdownon/off

### iles, mines and pylon mounted equipment:

Activate target identification system (deactivating the missile/minesystem).

Enable targeting for the current missile, or arm the current mine. If the target identification system is active and locked on, then this also locks a missile onto the selected target.

Switch to the next missile or mine available (requires Multi-Targeting System).

y Shift + t Immediatelytargetnearestincomingmissile.

If target identification is active, deactivate it and reactivate the missile/mine system. If missiles are active, clear any targets

(placesthemin safetymode).

Launchthe current missile or mine (it must be locked on target, or armed first), and switch to the m

nextmissile available.

### ${\bf Selectable Equipment and Multi-function Displays:}$

Shift-n Next selectable equipment Shift-Ctrl-n Previous selectable equipment n **Activate selectable equipment** 

Secondary activation key for selectable equipment (not used by all equipment) b

Tab Activate selectable equipment in fast activation slot 1 0 Activateselectable equipment in fast activation slot 2 Rotate the currently selected multi-function display

Select the next multi-function display, if your HUD has more than one

### Target SystemMemory Expansion:

Lockon to next target in memory (if installed). Lockon to previous target in memory (if installed).

### Anti-Missile ECM:

Activate anti-missile Electronic Counter-Measures (if installed).

### Scanner:

Adjust scanner zoom ratio (only during flight). 7

This allows you to 'zoomin' to navigate around small, close to objects.

A small indicator next to the compassindicates the current scanner ratio (from 1:1 to 5:1).

Z(shift-z) Zoomout to 1:1 scannerratio.

### AdvancedSpaceCompass:

Change compass mode (if the Advanced Space Compass is installed). This toggles your compass between showing the location of the Advanced Space Compass is installed). This toggles your compass between showing the location of the Advanced Space Compass is installed). This toggles your compass between showing the location of the Advanced Space Compass is installed). This toggles your compass between showing the location of the Advanced Space Compass is installed). This toggles your compass between showing the location of the Advanced Space Compass is installed). This toggles your compass between showing the location of the Advanced Space Compass is installed). This toggles your compass between showing the location of the Advanced Space Compass is installed). This toggles your compass between showing the location of the Advanced Space Compass is installed by the Advanced Spa

the planet, main station (if close enough), sun, your current target, the station beacon, witch point buoy, and various additional and the planet of the p

Shift-\ Changecompassmode(reversecycling)

### Communications:

View communications log.
Allows you to see recents hip to ship communications.

Request/ Cancel/ Renewdocking clearance. L(shift-l)

1 or f1 Viewforward 2 or f2 Viewaft 3 or f3 Viewport 4 or f4 Viewstarboard

Toggle between external views

5 or f5 Status/Ship's Manifest (see above)

6 or f6 ShortrangeChart/GalacticChart(see above)

**7** or **f7** Planetary Database (see above) 8 or f8 CommodityMarket(see above)

# AutomatedDocking:

Begin/Abandonautomateddockingsequencewith the main station, or current target. If only one station

is in range, no targeting necessary (requires Docking Computer),

Toggle docking musicon/off (requires Docking Computer).

C(shift-c) Fast docking (without docking sequence), advances the game clock by 20 minutes.

(requires Docking Computer).

# Ejectingcargoitems:

D(shift-d) Eiectone cargo pod.

R(shift-r) Rotate cargo to determine what will be ejected.

### EscapePod:

Esc-Esc Launch Escape Pod (if installed). Requires fast doubletap of the Escape key.

### Other Commands:

\* (asterisk) Takescreenshot(writes a '.png' file to the oolite-saves folder under oolite.app)

(Maconly): Quit

shift-esc/shift-Q (Windows/Linuxonly): Quit

Ctrl⊕f (Maconly): Switch between full-screen and windowed mode.

(Windows: Choose 'Playin Full Screen/ Playin Window'in the Game Options.)

F(shift-F)

M (shift M) (In full-screenonly) Togglemouse control on and off. X-axis is mapped to roll. To map the x-axis to yaw,

 $\text{use}\,\textbf{Ctrl+}\textbf{Shift+}\textbf{M}$  $\textbf{Mouseleft-right} \, \text{controls roll}.$ Mouseforwardbackcontrolspitch. Left mousebutton fires weapons.
Right mousebutton cancels roll and pitch, centering the controls.

(Maconly): Display control keys and license in a Help window (in windowed mode).**|**|?

### Changinguser preferences in Windows:

### The user preferences defaults file . GNU step Defaults

The file <installation dir>/oolite.app/GNUstep/Defaults/.GNUstep/Defaults/.GNUstep/Defaults.contains the current settings for fulls creen mode and display resolutions, together with the user preference settings for sound volume, reduced detail (Yes/No), wireframe graphics display (Yes/No), and the shader effects level (Off, Simple, Full), in case your system supports shaders. All these can be changed by either the Game-Options. ... menu, or by directly editing the .GNUstep/Defaults file. The recommended way to change settings is to use the in-gamemenu. See below for examples of directly editing the preferences file. Note that .GNUstep/Defaults will not be present immediatly after the game 's installation. You will need to run Oolite at least once to have it created.

### Switchingbetweenfull screen and windowed mode, or changing resolution

To change the full screen mode resolution, you can use the Game Options... menuor alternatively edit the .GNU step Defaults file by changing the display\_width and display\_height values, and ensuring the full screen property has a value of <\*BY>.

### .GNUstepDefaultseditingexamples

```
These settings will give a full screen display of 800x600, about one third sound volume, reduced detail set to 'No', wireframe graphics set to 'Yes', and shader effects set to 'Simple':
```

```
NSGlobalDomain =
{ };
oolite.exe =
{ display_width = <*I800>;
display_height = <*I600>;
fullscreen = <*BY>;
  "reduced-detail-graphics" = *BN>;
  "shader-effects-level" = <*I2>;
  volume_control = <*R0.26>;
  "wireframe-graphics" = <*BY>;
};
}
```

And these settings will give a full screen display of 1400x1050, full sound volume, reduced detail set to 'No', wireframe graphics set to 'No', and shader effects set to 'Full':

```
NSGlobalDomain = { };
oolite.exe = {
  display_width = <*I1400>;
  display_height = <*I1050>;
  fullscreen = <*BY>;
  "reduced-detail-graphics" = *BN>;
  "shader-effects-level" = <*I3>;
  volume_control = <*RI>;
  "wireframe-graphics" = <*BN>;
};
```

 $There are \ quite \ a \ few \ others ettings \ that \ can be \ used in side. GNU step Defaults, some \ are:$ 

```
"use-texture-lod-bias" = NO;
"splash-screen" = NO;
"mouse-control-in-windowed-mode" = YES;
```

For more information please refer to http://wiki.alioth.net/index.php/Hidden\_Settings\_in\_Oolite.

### **TestBuilds**

}

Starting with Oolite 1.77 there are two different versions of the game. A normal version without debugging tools and a slightly slower version with debugging options that can be used with the console. This test build version will be useful for oxp developers.

The test builds have the following extra features:

 $You \, can \, use \, a \, console with \, test \, builds \, to \, directly \, type \, in \, Java \, Script \, commands.$ 

 $While \ paused you \ can access the following debugging options:$ 

```
    Dumpa list of all entities in the log file.
    Enables collision test debugging.
    Enables cotree debugging.
    Enables all debugflags.
    Enables shader debugmessages.
    Enables drawing of bounding boxes around all entities.
    Disables all debugflags and displays HUD again.
    Left/Right
```

When pressing shift-F, the FPS display will show additional info, including a TAF indicator.

# **Helpful Information**

For more information on playing Oolite visit <a href="http://www.colite.org">http://www.colite.org</a>.

Oolite DevelopmentProject Pageat https://developer.berlios.de/projects/oolite-linux (for all platforms, including Macsand Windows)

Browsethe Oolite Wiki at http://wiki.alioth.net/index.php/Oolite Main Page.

 $\label{lem:lem:findex.php/Oolite} Frequently Asked Questions at $$\underline{\text{http://wiki.alioth.net/index.php/Oolite}$$ FAQ. $$$ 

MostOolite eXpansionPacks (OXPs) are available at <a href="http://wiki.alioth.net/index.php/OXP">http://wiki.alioth.net/index.php/OXP</a>.

For answersto questions about playing Oolite, customising Oolite and anything else Oolite related, post to the Oolite Bulletin Boards at <a href="http://www.aegidian.org/bb">http://www.aegidian.org/bb</a>.

We are immensely grateful to all the people who have been testing Oolite and slowly bringing it towards perfection.

Thanksto all of you!

In the event this application crashes, please send an email to oolite.bug.reports@gmail.com, and attach the crash log (found at

- ${\it \sim} Librany/Logs/CrashReporter/Oolite.crash.log for the Macversion, {\it <}Oolite installation folders/oolite.app/Logs/Latest.log for the Windows version and the contraction of the c$
- ~/.Oolite/Logs/Latest.logfor the Linux version).

You can also report bugs and give feedback at http://www.aegidian.org/bb

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Oolite is makinguse of various external open source libraries, some of them modified to fit certain requirements of the game. For more information about where to find the source code of those libraries, as well as information about the modifications required to make them build for Oolite, please refer to the file External Libraries Source Code Charges to the Doc folder of the game's source code distribution. Visit <a href="https://github.com/OoliteProject/oolite/for details and Oolite's source code download">https://github.com/OoliteProject/oolite/for details and Oolite's source code download</a>.

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