



# OOLITE Reference Sheet

# Keyboard Guide

## Flight Controls

<b>F1</b>	<b>1</b>	Forward (front) view	<b>V</b>	External views <sup>2</sup>
<b>F2</b>	<b>2</b>	Aft (rear) view	<b>Z</b>	Cycle IFF Scanner zoom <sup>3</sup>
<b>F3</b>	<b>3</b>	Port (left) view	<b>↑ Z</b>	Reset IFF Scanner zoom
<b>F4</b>	<b>4</b>	Starboard (right) view	<b>\</b>	Cycle Space Compass target <sup>†4</sup>
<b>↑</b>	<b>↓</b>	Pitch down (dive) / up (climb)	<b>↑ \</b>	Cycle Space Compass backwards <sup>†4</sup>
<b>←</b>	<b>→</b>	Roll clockwise / anticlockwise	<b>↑ L</b>	Contact Station Traffic Control <sup>5</sup>
<b>,</b>	<b>.</b>	Yaw (turn) left / right	<b>C</b>	Activate Docking Computer <sup>†</sup>
<b>ctrl /</b>		Fine control of pitch, roll and yaw	<b>↑ C</b>	Activate Fast Docking Computer <sup>†6</sup>
<b>W</b>	<b>S</b>	Speed increase / decrease	<b>S</b>	Turn off the music while docking
<b>I</b>		Witchspace Fuel Injectors <sup>†</sup>	<b>↑ D</b>	Dump one cargo canister <sup>7</sup>
<b>J</b>		Engage Jump (torus) drive	<b>↑ R</b>	Rotate through the manifest <sup>7</sup>
<b>H</b>		Hyperspace jump	<b>`</b>	Show the communication log
<b>G</b>		Galactic Hyperspace jump <sup>†1</sup>	<b>Esc Esc</b>	Launch Escape Pod <sup>†</sup>
<b>;</b>		Cycle current MFD <sup>8</sup>	<b>:</b>	Select next MFD <sup>8</sup>

## Combat Controls

<b>A</b>		Fire laser	<b>+ -</b>	Cycle to next / previous target <sup>†</sup>
<b>T</b>		Missile target seek	<b>R</b>	Activate ID recognition
<b>M</b>		Fire missile (if locked)	<b>E</b>	Activate ECM system <sup>†</sup>
<b>U</b>		Unlock missile target	<b>_</b>	Toggle weapon lockdown
<b>Y</b>		Cycle through available missiles <sup>†</sup>	<b>↑ T</b>	Target nearest incoming missile

## Commodities Market Controls

<b>F8</b>	<b>8</b>	Commodities Market	<b>↑</b>	<b>↓</b>	Move cursor up / down in the market		
<b>F8</b>	<b>F8</b>	<b>8</b>	<b>8</b>	Commodity Details	<b>←</b>	<b>→</b>	Buy / sell one unit of commodity
<b>Enter</b>		Buy / sell maximum amount <sup>†</sup>					

Note: holding shift while buying or selling will also buy or sell the maximum amount.

## Ship, Systems & Status Controls

<b>F1</b>	<b>1</b>	Launch the ship	<b>F2</b>	<b>2</b>	Game Menu <sup>†</sup>		
<b>F3</b>	<b>3</b>	Ship Outfitting <sup>†</sup>	<b>F3</b>	<b>F3</b>	<b>3</b>	<b>3</b>	Ships For Sale <sup>†</sup>
<b>F5</b>	<b>5</b>	Commander's Profile	<b>F5</b>	<b>F5</b>	<b>5</b>	<b>5</b>	Ship's Manifest
<b>↑</b>	<b>↓</b>	Move cursor up / down the list <sup>†</sup>	<b>↑ ctrl</b>				Previous special equipment <sup>†</sup>
<b>Enter</b>		Select the highlighted entry	<b>↑ N</b>				Next special equipment <sup>†</sup>
<b>Tab</b>	<b>0</b>	Fast-activate special equipment <sup>†</sup>	<b>N</b>				Activate special equipment <sup>†9</sup>

## Navigation Controls

<b>F6</b>	<b>F6</b>	<b>6</b>	<b>6</b>	Galactic Chart	<b>↑</b>	<b>↓</b>	Move cursor up / down the charts
<b>F6</b>	<b>6</b>			Short Range Chart	<b>↑</b>	<b>↓</b>	Zoom in / out
<b>F7</b>	<b>7</b>			Data on Planets	<b>↑</b>	<b>↓</b>	Zoom in / out
<b>I</b>				Toggle name/system information	<b>^</b>		Advanced navigation - cycle route mode <sup>†</sup>
<b>?</b>				Advanced Navigation - mode	<b>↶</b>	<b>↷</b>	Return cursor to current system

Note: typing a planet name while in Galactic Chart will automatically move the cursor to the world containing the text. When in Short Range Chart, one planet matches the text, use shift-arrow keys to move the cursor to the next planet. Use Alt + left / right arrow keys to select the system for which information is displayed on the system data screen.

## Ship-Specific Interfaces Controls

<b>F4</b>		Available in ext. view <sup>†</sup>	<b>↑</b>	<b>↓</b>	Move cursor up / down the list <sup>†</sup>
<b>Enter</b>		Activate interface <sup>†</sup>	<b>←</b>	<b>→</b>	Move between pages on list <sup>†</sup>

## Other Controls - All Systems

<b>P</b>		Pause the game	<b>O</b>		Turn the HUD off / on while paused
<b>↑</b>		Toggle the game frame rate display	<b>*</b>		Capture a screen shot
<b>M</b>		Toggle mouse flight control in full screen mode (roll on x-axis)	<b>↑ ctrl M</b>		Toggle mouse flight control in full screen mode (yaw on x-axis)
<b>Caps Lock</b>		Toggle freelook camera in ext. view			

## Other Controls - System Specific

<b>ctrl</b>	<b>⌘</b>	<b>F</b>	Toggle window / full screen mode	<b>⌘</b>	<b>Q</b>	Quit the game (Mac)
	<b>F12</b>		Toggle window / full screen mode	<b>↑</b>	<b>Esc</b>	Quit the game (PC / Linux)

## Notes

<b>X</b>	<b>X</b>	Tap this key twice
<b>F2</b>		Function key
<b>↑</b>		Shift key
<b>⌘</b>		Mac Command key
<b>ctrl</b>		Ctrl key

- † This function is only available when the appropriate equipment is installed.
- ‡ Only GCW Stations support all of these functions. Other anchorages may only carry a limited range.
- 1 Galactic Hyperdrives are one time use only. To jump again another drive must be bought.
- 2 The key cycles through the available external views of your craft. Ships featured in OXPs may not have external views available.
- 3 The key cycles through the five magnification setting of the IFF Scanner.
- 4 See the Space Compass section on the next page for more information.
- 5 The key requests a docking window from the station launch control. Use the same key to cancel or renew a request.
- 6 Usually allowed at GCW Stations only
- 7 Unless the cargo is selected by the commander, this will dump one unit from the first commodity listed in your manifest.
- 8 MFDs are multi-function displays which can be configured to show information from various equipped items. Different HUDs will have different numbers of MFDs available
- 9 Function of N and B keys varies with equipment. Not all equipment defines functions for both keys. See OXP documentation for more information.

*This reference sheet makes several references to 'OXPs'. Oolite eXpansion Packs can add extra missions, equipment, ships or change the game mechanics. These packs are not part of the standard game and will not be covered by this sheet. For more information on them and how to install them, visit the Oolite Wiki.*

**Attention non-UK keyboard users**  
Some keys may vary from the ones listed here. If you are having issues, check both Oolite Wiki and Oolite BBS for information and advice.



# OOLITE Reference Sheet

## 1 Speed

This is a percentage gauge showing how fast the ship is travelling relative to its maximum speed.

## 2 Roll and Pitch

The diamonds show how much the ship is anti/clockwise rolling and climbing/diving relative to its maximum turn rate.

Some ships and HUDs may also feature a Yaw indicator. It functions exactly the same way as the Roll and Pitch units.

## 3 Energy Banks

The multiple meters of the Energy Banks show how much energy you have available for ship systems. Recharging your shields, firing your lasers or ECM and direct hits to the ship's hull will drain the banks. If completely drained, the collapse of the energy banks destroys the ship. The number and size of energy banks installed is dependent on the model of ship being flown.

## 4 Shields

The front (FWD) and rear (AFT) shields, where the bar length equals the shield strength. As the shields weaken, the risk of weapons fire penetrating the shield increases. Any penetration will result in energy drain, along with the risk of equipment damage and the destruction of cargo.

## 5 Fuel

A gauge displaying how much witchspace fuel is available. If a destination has been selected for a hyperspace jump, a marker line will show how much you need to activate the drive.

## 6 Cabin Temperature

This gauge shows the ship's life support temperature. Exposure to excessive amounts of heat will overload the life support resulting in the crew's death.

## 7 Laser Temperature





Displays the heat level of the active laser. Continuous fire raises the laser temperature. An overheated laser will shut down, requiring a cool-down period before it will fire again.

## 8 Altitude

Shows the proximity of a nearby planet or sun. Exposure to excessive atmospheric and gravitational pressures of such bodies will destroy the ship.

## 9 Missiles

These icons show what types of, and how many, missiles or other pylon-mounted devices you are carrying, and which one is active (yellow border). When a weapon has been locked on to the target, its icon turns red.

-  Empty pylon
-  Active standard missile
-  Target seeking ECM hardened missile
-  Quirium cascade mine target locked

Should you see a yellow/red square replacing the missile information, this means that you have used ID Recognition without a missile being active. Installing additional equipment will allow you to keep a target lock with one missile while target seeking with another.

*OXPs may add additional pylon-based equipment for purchase. See the OXP documentation for more information.*

## 10 Fuel Scoop

The Fuel Scoop icon will be added to the HUD when one is fitted to the ship. When the fuel scoop is active, the icon strobes. If the tail of the icon becomes red, then your cargo bay is full and any new object scooped will be destroyed.

## 11 Station Aegis

The Station Aegis is the area of space around a GCW station where its Vipers will provide protection to your ship should you come under attack.

## 12 Threat Indicator

This is an indicator showing the current level of risk to your ship. When green, there are no other ships within scanner range. Yellow indicates that there are objects within scanner range. When the indicator turns red, other ships have targeted you.

## 13 Date and Time













The current date and time, set to Galactic Cooperative of Worlds Mean Time.

## 14 Scanner Zoom

The zoom ratio displays the current magnification setting of the IFF scanner.

## 15 Space Compass

The Space Compass shows the direction of the target relative to the direction of the ship. The default target of the space compass is the planet. When inside the GCW Station Aegis, the compass will target the station.

Fore	Target position relative to the ship	Aft
	Planet	
	Sun †	
	GCW Stations †	
	Navigation beacon †	
	Witchspace beacon †	
	Active target †	

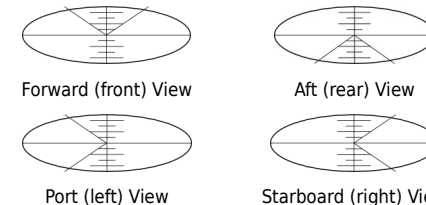
*Additional compass targets may become available with the installation of OXPs. Refer to the individual OXPs documentation for more information.*

*† In order for stations to become manually selectable the Advanced Space Compass equipment is required to be installed.*

# Heads Up Display

## 16 IFF Scanner

The IFF Scanner Grid shows the relative positions of all objects within scanner range of the ship. The V lines show which direction you are currently viewing. The rule lines show the scale the scanner is working in.



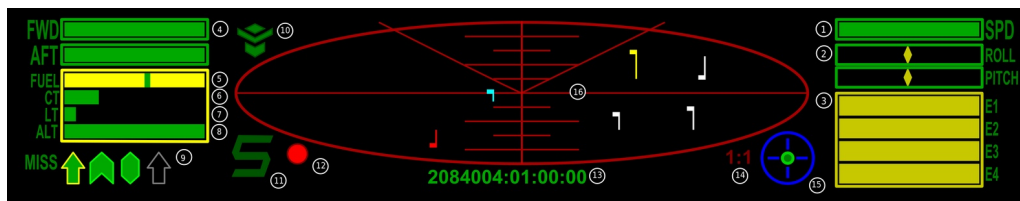
Each object is represented by a colour-coded flag and pole. The length and position of the flag pole represents the object's direction and distance from your ship. The flag's position on the pole indicates whether the object is above or below your ship.

-  Non-powered objects <sup>1</sup>
-  Civilian craft
-  Hostile craft
-  Police/Government craft
-  Police/Government craft on intercept
-  Thargoid craft
-  Missile <sup>2</sup>
-  Mine about to detonate <sup>2</sup>
-  Space stations and other anchorages
-  Navigation and witchpoint beacons
-  Witchspace cloud

*The twin colour flags are the colours that those IFF flags cycle through.*

- 1 Non-powered objects include asteroids, cargo pods, escape pods, and abandoned craft.
- 2 Certain OXPs will add extra types of munitions to Oolite. The game will use the missile or mine IFF flag to show them.

*Note: The layout shown here is for the Falcon deLacy Cobra Mk III which you are issued with at the start of the game. Other vessels may have alternative instrument configurations.*





# OOLITE Reference Sheet

## General Information

### Equipment Guide

Item	TL	Cost €
Advanced Navigational Array	7	2250
Advanced Space Compass	8	650
Beam Laser	5	1000
Docking Computers	10	1500
ECM Hardened Missile	10	350
ECM System	3	600
Escape Capsule	7	1000
External Heat Shielding	5	1500
Extra Energy Unit	9	1500
Fuel	All	Varies
Fuel Scoop	6	525
Galactic Hyperdrive	11	5000
Integrated Targeting System	12	1500
Large Cargo Bay	2	400
Maintenance Overhaul	7	Varies
Military Laser	11	6000
Military Shield Enhancement	14	47550
Mining Laser	11	800
Missile	2	30
Multi-Targeting System	6	325
Passenger Berth	6	825
Pulse Laser	4	400
Quirium Cascade Mine	7	2500
Remove Passenger Berth	2	100
Scanner Targeting Enhancement	12	450
Shield Boosters	11	14750
Target System Memory Expansion	9	1250
Unmount and sell all pylon-mounted weapons	2	20
Witchdrive Fuel Injectors	11	600
Wormhole Scanner	10	2395

*Equipment damage can only be repaired in systems of that Tech Level or one lower. The listed prices apply only to GCW station shipyards. Prices may vary in other anchorages. Additional equipment can be obtained by installing OXPs. See the individual OXP documentation for more information on their cost and use.*

### Commodities Guide

Commodities	Price €			per
	Min	Avg	Max	
Food	2.0	<b>5.0</b>	8.0	t
Textiles	5.2	<b>7.2</b>	9.2	t
Radioactives	17.6	<b>23.2</b>	28.8	t
Slaves †	2.0	<b>15.2</b>	28.4	t
Liquor/Wines	19.2	<b>29.2</b>	39.2	t
Luxuries	78.0	<b>90.2</b>	102.0	t
Narcotics †	0.4	<b>51.0</b>	101.6	t
Computers	61.6	<b>81.8</b>	102.0	t
Machinery	46.8	<b>56.6</b>	66.4	t
Alloys	31.2	<b>38.8</b>	46.4	t
Firearms †	49.6	<b>69.2</b>	88.8	t
Furs	45.2	<b>70.46</b>	95.6	t
Minerals	10.0	<b>12.0</b>	14.0	t
Gold	36.0	<b>38.8</b>	41.6	kg
Platinum	62.8	<b>71.8</b>	80.8	kg
Gem-stones	15.2	<b>19.6</b>	24.0	g
Alien Items	21.2	<b>43.6</b>	66.0	t

*† Trafficking in these commodities is illegal in all GCW member systems.*

### Combat Rank

Rank	Kills
Harmless	0
Mostly Harmless	8
Poor	16
Average	32
Above Average	64
Competent	128
Dangerous	512
Deadly	2560
<b>Elite</b>	<b>6400</b>

### Government Guide

Risk	Icon	Type
Negligible		Corporate State
▲		Democracy
Low	▼	Confederacy
▲		Communist
Medium	▼	Dictatorship
▲		Multi-Government
High	▼	Feudal
Extreme		Anarchy

### Economy Guide

Produces	Icon	Type
Advanced technology		Rich Industrial
▲		Average Industrial
Basic technology and Advance Materials	▼	Poor Industrial
▲		Mainly Industrial
Mixture of both	▼	Mainly Agricultural
▲		Rich Agricultural
Advanced organics and Refined Materials	▼	Average Agricultural
Basic organics and Raw Materials		Poor Agricultural

### Legal Status

Status	The commander can expect
<b>Clean</b>	Free travel and access to GCW Stations. Full protection by GALCOP Vipers.
▼	
<b>Offender</b>	Free travel and access to GCW Stations. Limited protection by GALCOP Vipers, but could also be targeted at law enforcer's discretion. Small bounty on the commander.
▼	
<b>Fugitive</b>	Limited travel and access to GCW Stations. Actively targeted by GALCOP Vipers. Large bounty on the commander.

All commanders start as *Clean*, with any criminal acts reducing their legal standing. Performing services for the GCW will repair their reputation.

### GCW Orbital Laws

#### Services

**Defence Of GCW Space**  
By providing assistance to the Galactic Navy by the destruction of Thargoid Invasion Fleet craft.

**Space Lane Hazard Clearance**  
Destruction of navigation hazards from the space lanes, i.e. asteroids and wreckage.

**Termination Of Criminals**  
By providing assistance to the GALCOP by the destruction of Offender and Fugitive rated craft.

#### Crimes

**Murder**  
The destruction of any law-abiding vessel with the resulting loss of life.

**Piracy**  
Attacking any law-abiding craft to force them to discharge cargo.

**Property Destruction**  
Attacking a Galactic Cooperative of Worlds Station, Rock Hermitage or other anchorages.

**Trafficking**  
Leaving a GCW station with any of the following commodities on-board: Slaves, Narcotics or Firearms.



# OOLITE Reference Sheet

## General Information

### Career Choices

#### Bounty Hunting

Collect bounties for pirate/fugitive craft destroyed. Bounties are also paid if you capture/rescue the escape pods of the criminals/victims.

*No additional equipment required. Recommend minimum of: Beam Laser, ECM, Fuel Scoop and Shield Booster be fitted before attempting this profession.*

#### Carrier Service

With a big enough ship you can get paid for moving someone else's bulk goods from A to B. Contracts are available through the Interfaces screen. *Requires a ship with larger cargo bays. Recommend an Advanced Navigation Array be fitted.*

#### Mining

Blast asteroids, scoop up the fragments and sell the minerals on the commodities market. *Requires a Fuel Scoop and Mining Laser. Recommend a Cargo Bay Expansion be fitted.*

#### Passenger or Courier Service

With a passenger berth fitted, you take a traveller from point A to point B for profit. Small packages may also be carried without requiring extra equipment. Contracts are available through the Interfaces screen. *May require a Passenger Berth. Recommend an Advanced Navigation Array be fitted.*

#### Piracy

Attack other ships and steal their cargo, which will make you a fugitive very quickly. You will then have GALCOP, bounty hunters and opportunist commanders after you. *Requires a Fuel Scoop and upgraded combat systems. Recommend fitting an Escape Pod.*

#### Trading

Buy low-priced commodities on one world and sell at a higher price on another. *No additional equipment required. Recommend a Cargo Bay Expansion be fitted.*

#### Trafficking In Illegal Goods

Illegal goods can be traded for massive profit. Doing so will eventually make you a fugitive and limit the systems you can trade in. *No additional equipment required. Recommend a Cargo Bay Expansion and upgraded combat systems be fitted.*

*Additional careers can be added by installing OXPs. Refer to the Oolite Wiki for more details.*

### Game Settings

#### Autosave - on / off

Automatically saves your game as 'autosave' before you leave a GCW Station.

#### Docking Clearance Protocol - on / off

Enables docking clearance requests for GCW stations (and some OXP stations)

#### Music - off / on / iTunes

Turns the in-game music on and off. The iTunes option is Mac only and will play selected iTunes playlists.

#### Sound Volume - sliding scale

Volume slider controls both in-game music and sound effects.

#### Show Growl Messages *Mac only*

Select which level of incoming Growl notifications should be displayed (full screen only). See <http://growl.info> for more information about Growl.

#### Spoken Messages - off / on

Makes the computer read all messages. (if "on", Voice and Gender options are available)

#### Full Screen Mode *width x height*

Rotate through screen resolutions choices for full screen mode.

#### Play in Window *PC & Linux*

Toggle between playing the game in the full screen or a window (on a Mac, use command-F).

#### Wireframe Graphics - on / off

Play Oolite with visuals reminiscent of the original Elite. This visual style does not alter the game speed.

#### Graphics Detail - minimum / normal / shaders / extra

Changes the levels of in-game graphics detail. Higher settings may be unavailable on old hardware, and use more processing power

#### Gamma - sliding scale

Adjust the Gamma setting for Oolite to suit your display hardware.

### Joystick Configuration

Assign many of the game actions to your joystick.

### Joystick Flight Controls

#### Roll

Direction axis for roll anti/clockwise.

#### Pitch

Direction axis for dive/climb.

#### Yaw

Direction axis for turn left/right.

#### Increase Thrust / Decrease Thrust

Buttons or direction axis to fly faster or slower.

#### Primary Weapon

Button to fire the energy weapon.

#### Secondary Weapon

Button to fire currently active pylon-mounted weapon or equipment.

#### Arm Secondary

Button to activate / target seek currently highlighted pylon-mounted weapon or equipment.

#### Disarm Secondary

Button to deactivate highlighted pylon-mounted weapon or equipment.

#### Cycle Secondary

Button to rotate through the available range of pylon-mounted weapons or equipments.

#### Target Incoming Missile

Button to automatically target the incoming missile nearest to the player ship.

#### Weapons online toggle

Button to toggle weapons online / offline mode.

#### Prime equipment

Button to cycle through selectable equipment.

#### Activate Equipment

Button to activate primed selectable equipment.

#### ECM

Button to activate the Electronic Counter-Measure Systems.

#### Toggle ID

Button to activate the ID Recognition System.

#### Fuel Injection

Button to activate the Witchspace Fuel Injectors.

#### Hyperspeed

Button to activate the Torus drive Hyperspeed systems.

#### Roll/pitch precision toggle

Button to toggle the degree of thrust relative to angle of the joystick.

#### Escape Pod

Button to activate the Escape Pod, if installed. Requires fast double press.

### Joystick Flight Controls (continued)

#### Specialist Equipment

Button to toggle Specialist Equipment on / off

#### Take Snapshot

Button to capture a screen shot

#### View forward / aft / port / starboard

Buttons or axes to change the view screen direction.

### Mouse Flight Controls

Fly by mouse control is only available when the game is in Full Screen mode.

#### Move Mouse Up and Down

Ship dives and climbs.

#### Move Mouse Left and Right

Roll anticlockwise and clockwise.

#### Left Mouse Button

Fire primary weapon.

#### Right Mouse Button

Zero flight roll and pitch.

#### Mouse Wheel Up

Increase speed

#### Mouse Wheel Down

Decrease speed

With Caps Lock active and Left Mouse Button down: on external views

#### Move Mouse Up and Down

External Camera rotates Up / Down

#### Move Mouse Left and Right

External Camera rotates Left / Right

With Caps Lock active on external views (PC / Linux)

#### Mouse Wheel Up


Zoom View In

#### Mouse Wheel Down


Zoom View Out




# OOLITE Reference Sheet

<b>Adder</b>	30w x 8h x 45l m			
	<b>Speed/Thrust (lm)</b>	0.24/0.030	<b>Banks &amp; Charge</b>	C20
	<b>Roll &amp; Pitch</b>	NJ	<b>Weapon Mounts</b>	F M1
	<b>Cargo Space (t)</b>	2	<b>Hyperspace</b>	yes
	<b>Sold at Tech Level</b>	4	<b>Base Price (cr)</b>	65000
	<b>Base Equipment</b>	Pulse Laser, 1 Missile		


An agile compact ship favoured by couriers, customisers and professional racers.

<b>Anaconda</b>	75w x 60h x 170l m			
	<b>Speed/Thrust (lm)</b>	0.14/0.014	<b>Banks &amp; Charge</b>	P30
	<b>Roll &amp; Pitch</b>	DB	<b>Weapon Mounts</b>	All M7
	<b>Cargo Space (t)</b>	750	<b>Hyperspace</b>	yes
	<b>Sold at Tech Level</b>	8	<b>Base Price (cr)</b>	650000
	<b>Base Equipment</b>	Pulse Laser, 3 Missiles		


The biggest mass produced freighter available, built like an asteroid and steers like one.

<b>Asp Mk II</b>	65w x 20h x 70l m			
	<b>Speed/Thrust (lm)</b>	0.40/0.050	<b>Banks &amp; Charge</b>	P30
	<b>Roll &amp; Pitch</b>	JE	<b>Weapon Mounts</b>	FA M1
	<b>Cargo Space (t)</b>	N/A	<b>Hyperspace</b>	yes
	<b>Sold at Tech Level</b>	10	<b>Base Price (cr)</b>	375000
	<b>Base Equipment</b>	Pulse Laser, 1 Missile, MTS, STE		


The civilian version of the Galactic Navy's premier long range scouting / commando craft.

<b>Boa</b>	65w x 60h x 115l m			
	<b>Speed/Thrust (lm)</b>	0.24/0.036	<b>Banks &amp; Charge</b>	P30
	<b>Roll &amp; Pitch</b>	NE	<b>Weapon Mounts</b>	All M4
	<b>Cargo Space (t)</b>	125	<b>Hyperspace</b>	yes
	<b>Sold at Tech Level</b>	6	<b>Base Price (cr)</b>	450000
	<b>Base Equipment</b>	Pulse Laser, 3 Missiles		


The replacement for the ageing Python, with better performance and capacity.

<b>Boa Cruiser / Mk II</b>	65w x 60h x 115l m			
	<b>Speed/Thrust (lm)</b>	0.31/0.040	<b>Banks &amp; Charge</b>	P32
	<b>Roll &amp; Pitch</b>	LE	<b>Weapon Mounts</b>	All M5
	<b>Cargo Space (t)</b>	175	<b>Hyperspace</b>	yes
	<b>Sold at Tech Level</b>	8	<b>Base Price (cr)</b>	495000
	<b>Base Equipment</b>	Pulse Laser, 5 Missiles		


The long haul version of the Boa, trading some agility for more capacity and speed.

<b>Cobra Mk I</b>	70w x 15h x 55l m			
	<b>Speed/Thrust (lm)</b>	0.26/0.025	<b>Banks &amp; Charge</b>	E25
	<b>Roll &amp; Pitch</b>	JF	<b>Weapon Mounts</b>	FA M1
	<b>Cargo Space (t)</b>	10	<b>Hyperspace</b>	yes
	<b>Sold at Tech Level</b>	4	<b>Base Price (cr)</b>	100000
	<b>Base Equipment</b>	Pulse Laser, 1 Missile		


The first truly effective solo fighter/trader ship, but now superseded by the Mk III.

<b>Cobra Mk III</b>	130w x 30h x 65l m			
	<b>Speed/Thrust (lm)</b>	0.35/0.032	<b>Banks &amp; Charge</b>	H40
	<b>Roll &amp; Pitch</b>	JE	<b>Weapon Mounts</b>	All M4
	<b>Cargo Space (t)</b>	20	<b>Hyperspace</b>	yes
	<b>Sold at Tech Level</b>	6	<b>Base Price (cr)</b>	150000
	<b>Base Equipment</b>	Pulse Laser, 3 Missiles		


The most successful medium size ship ever built and an excellent fighter/trader.

<b>Constrictor †</b>	54w x 10h x 60l m			
	<b>Speed/Thrust (lm)</b>	Unknown	<b>Banks &amp; Charge</b>	?
	<b>Roll &amp; Pitch</b>	Unknown	<b>Weapon Mounts</b>	?
	<b>Cargo Space (t)</b>	Unknown	<b>Hyperspace</b>	yes
	<b>Sold at Tech Level</b>	N/A	<b>Base Price (cr)</b>	N/A
	<b>Base Equipment</b>	Unknown		

Currently under test by the Galactic Navy, the rumours say it's extremely deadly.


<b>Escape Capsule</b>	7w x 6h x 6l m			
	<b>Speed/Thrust (lm)</b>	0.05/0.005	<b>Banks &amp; Charge</b>	P30
	<b>Roll &amp; Pitch</b>	AA	<b>Weapon Mounts</b>	N/A
	<b>Cargo Space (t)</b>	N/A	<b>Hyperspace</b>	no
	<b>Sold at Tech Level</b>	6	<b>Base Price (cr)</b>	1000
	<b>Base Equipment</b>	N/A		

Only technically a ship, the Escape Capsule is the primary lifeboat system of GCW ships.


<b>Fer-de-Lance</b>	45w x 20h x 85l m			
	<b>Speed/Thrust (lm)</b>	0.30/0.025	<b>Banks &amp; Charge</b>	H45
	<b>Roll &amp; Pitch</b>	RE	<b>Weapon Mounts</b>	All M2
	<b>Cargo Space (t)</b>	12	<b>Hyperspace</b>	yes
	<b>Sold at Tech Level</b>	8	<b>Base Price (cr)</b>	485000
	<b>Base Equipment</b>	Beam Laser, 2 Missiles, MTS, STE		

An agile and deadly assault class ship favoured by bounty hunters and the well-to-do.

# Observer's Guide

<b>Gecko †</b>	65w x 12h x 40l m			
	<b>Speed/Thrust (lm)</b>	0.30/0.045	<b>Banks &amp; Charge</b>	H40
	<b>Roll &amp; Pitch</b>	OG	<b>Weapon Mounts</b>	F M1
	<b>Cargo Space (t)</b>	3	<b>Hyperspace</b>	no
	<b>Sold at Tech Level</b>	N/A	<b>Base Price (cr)</b>	N/A
	<b>Base Equipment</b>	Beam Laser, 1 Missile		

Produced in unlicensed shipyards, this fighter is a favourite of pirates and assassins.

<b>Krait †</b>	90w x 20h x 80l m			
	<b>Speed/Thrust (lm)</b>	0.30/0.035	<b>Banks &amp; Charge</b>	H25
	<b>Roll &amp; Pitch</b>	MG	<b>Weapon Mounts</b>	F M0
	<b>Cargo Space (t)</b>	4	<b>Hyperspace</b>	no
	<b>Sold at Tech Level</b>	8	<b>Base Price (cr)</b>	N/A
	<b>Base Equipment</b>	Beam Laser		

A discontinued fighter design finding a new life in the professional racing circuit.

<b>Mamba †</b>	65w x 12h x 55l m			
	<b>Speed/Thrust (lm)</b>	0.32/0.032	<b>Banks &amp; Charge</b>	H30
	<b>Roll &amp; Pitch</b>	JG	<b>Weapon Mounts</b>	F M0
	<b>Cargo Space (t)</b>	4	<b>Hyperspace</b>	no
	<b>Sold at Tech Level</b>	N/A	<b>Base Price (cr)</b>	N/A
	<b>Base Equipment</b>	Beam Laser		

Originally used in professional racing, this fighter is used by pirates and escorts alike.



# OOLITE Reference Sheet

## Observer's Guide

### Moray Star Boat

60w x 25h x 65l m

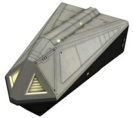


<b>Speed/Thrust (Im)</b>	0.30/0.032	<b>Banks &amp; Charge</b>	H30
<b>Roll &amp; Pitch</b>	JG	<b>Weapon Mounts</b>	All M2
<b>Cargo Space (t)</b>	7	<b>Hyperspace</b>	yes
<b>Sold at Tech Level</b>	5	<b>Base Price (cr)</b>	126000
<b>Base Equipment</b>	Pulse Laser, 3 Missiles		

*A multi-role ship, often seen as a medical or tourist craft. It's popular with pirates too.*

### Orbital Shuttle †

20w x 20h x 35l m




<b>Speed/Thrust (Im)</b>	0.08/0.016	<b>Banks &amp; Charge</b>	D10
<b>Roll &amp; Pitch</b>	JD	<b>Weapon Mounts</b>	N/A
<b>Cargo Space (t)</b>	30	<b>Hyperspace</b>	no
<b>Sold at Tech Level</b>	N/A	<b>Base Price (cr)</b>	N/A
<b>Base Equipment</b>	None		

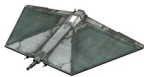
*Often unmanned, this ship is the GCW's primary in-system heavy cargo hauler.*




# OOLITE Reference Sheet

<b>Python</b>	80w x 40h x 130l m	
	<b>Speed/Thrust (Im)</b> 0.20/0.020	<b>Banks &amp; Charge</b> N25
	<b>Roll &amp; Pitch</b> JD	<b>Weapon Mounts</b> All M2
	<b>Cargo Space (t)</b> 100	<b>Hyperspace</b> yes
	<b>Sold at Tech Level</b> 4	<b>Base Price (cr)</b> 200000
	<b>Base Equipment</b> Pulse Laser, 1 Missile	


An ageing design that's still popular with commanders needing a simple robust freighter.

<b>Sidewinder Scout Ship</b> †	65w x 15h x 35l m	
	<b>Speed/Thrust (Im)</b> 0.37/0.037	<b>Banks &amp; Charge</b> H25
	<b>Roll &amp; Pitch</b> NH	<b>Weapon Mounts</b> F M0
	<b>Cargo Space (t)</b> N/A	<b>Hyperspace</b> no
	<b>Sold at Tech Level</b> N/A	<b>Base Price (cr)</b> N/A
	<b>Base Equipment</b> Beam Laser	


A tough compact fighter popular with racers, freighter escorts and pirates alike.

<b>Thargoid Warship</b> †	180w x 40h x 180l m	
	<b>Speed/Thrust (Im)</b> 0.50/0.050	<b>Banks &amp; Charge</b> S40
	<b>Roll &amp; Pitch</b> JE	<b>Weapon Mounts</b> All M5
	<b>Cargo Space (t)</b> N/A	<b>Hyperspace</b> yes
	<b>Sold at Tech Level</b> N/A	<b>Base Price (cr)</b> N/A
	<b>Base Equipment</b> Thargoid Laser, ECM, 5 Robotic fighters	


The primary vessel of the Thargoid Invasion Fleet. Deadly and fights without fear.

<b>Thargoid Robotic Fighter</b> †	38w x 9h x 36l m	
	<b>Speed/Thrust (Im)</b> 0.45/0.040	<b>Banks &amp; Charge</b> E30
	<b>Roll &amp; Pitch</b> JE	<b>Weapon Mounts</b> F M0
	<b>Cargo Space (t)</b> N/A	<b>Hyperspace</b> no
	<b>Sold at Tech Level</b> N/A	<b>Base Price (cr)</b> N/A
	<b>Base Equipment</b> Pulse Laser	


Small remote-controlled fighters designed to swarm their victims.

<b>Transporter</b> †	30w x 10h x 35l m	
	<b>Speed/Thrust (Im)</b> 0.10/0.020	<b>Banks &amp; Charge</b> E30
	<b>Roll &amp; Pitch</b> JE	<b>Weapon Mounts</b> All M0
	<b>Cargo Space (t)</b> 12	<b>Hyperspace</b> no
	<b>Sold at Tech Level</b> N/A	<b>Base Price (cr)</b> N/A
	<b>Base Equipment</b> None	

Predating the GCW, this ship serves as shuttle, cargo hauler and industrial platform.

<b>Viper</b> †	50w x 16h x 55l m	
	<b>Speed/Thrust (Im)</b> 0.32/0.032	<b>Banks &amp; Charge</b> F40
	<b>Roll &amp; Pitch</b> NI	<b>Weapon Mounts</b> F M1
	<b>Cargo Space (t)</b> N/A	<b>Hyperspace</b> no
	<b>Sold at Tech Level</b> N/A	<b>Base Price (cr)</b> N/A
	<b>Base Equipment</b> Beam Laser, ECM, 1 Missile	

GALCOP's mainstay patrol vessel, capable of dealing with the most deadly threat.

<b>Viper Interceptor</b> †	50w x 16h x 55l m	
	<b>Speed/Thrust (Im)</b> 0.52/0.050	<b>Banks &amp; Charge</b> I60
	<b>Roll &amp; Pitch</b> UJ	<b>Weapon Mounts</b> F M3
	<b>Cargo Space (t)</b> N/A	<b>Hyperspace</b> yes
	<b>Sold at Tech Level</b> N/A	<b>Base Price (cr)</b> N/A
	<b>Base Equipment</b> Military Laser, ECM, 3 Missiles	

GALCOP's best pilots fly these ships to fight threats of an interstellar scale.

<b>Worm</b> †	35w x 12h x 35l m	
	<b>Speed/Thrust (Im)</b> 0.11/0.012	<b>Banks &amp; Charge</b> C20
	<b>Roll &amp; Pitch</b> JE	<b>Weapon Mounts</b> F M0
	<b>Cargo Space (t)</b> 2	<b>Hyperspace</b> no
	<b>Sold at Tech Level</b> N/A	<b>Base Price (cr)</b> N/A
	<b>Base Equipment</b> None	

A simple support craft, often seen as a ship's launch, lifeboat or miner.

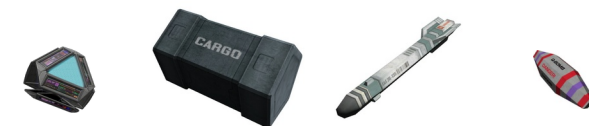
- Notes**
- † Ships which are unavailable for purchase at the GCW station shipyards for the following reasons:
- GCW shipyards specialise in currently manufactured models fitted with hyperspace drives.
  - GCW shipyards will not deal in craft from unlicensed manufacturers.
  - It is illegal for civilians to own Local Government, Galactic Navy and GALCOP ships. It is also illegal for civilians to be in possession of craft constructed outside of the Galactic Cooperative of Worlds.
  - MTS stands for Multi-Target System. STE stands for Scanner Targeting Enhancement.
  - Speed is measured against *Light Mach*, which is the maximum velocity a ship can reach before suffering relativistic effects.
  - The ships' banks and charge rate are graded on the *KeZecky* scale. The higher letter (A being the lowest) and number value, the larger and faster charging the energy bank is.
  - A vessel's agility is measured using the *Holdstock* method. The higher value of each letter (A being the lowest) the better the performance.
  - Ships have laser mounts in the Forward, Aft, or All view screen directions. The number of pylons is shown by the *M* value.
  - Cargo space is measured in GCW standardised 1 TC cargo canisters.
  - The base price is calculated for craft with the base equipment fitted. Ships available for sale may be fitted with extra equipment, with a corresponding increase in price.
  - Images shown here are not to scale and measurements are listed in metres.

# Observer's Guide

## Stations and Other Anchorages



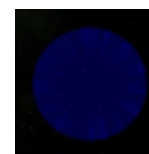
## Other Objects



Beacon      Cargo Canister      Missile      Quirium Cascade Mine



Asteroid      Boulder      Splinter      Metal Fragment



Witchcloud

Oolite Reference Sheet by KZ9999.  
 Inspired by the OoliteRS by Darkbee / another\_commander / Commander McLane  
 Checking by: Disembodied, \_ds\_, Kaks, Commander McLane, Ahruman, Micha, another\_commander and others.  
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 Typefaces are the [Deja Vu](#) family.



# OOLITE Reference Sheet

# Commander's Log

Solar System - Galaxy		Commander Status		Manifest								
GCW MT		Ship		Commodity	Quantity	Buy Price		Sell Price				
Present System	Destination System	Credits	Cargo Capacity									
Government	Government	Legal Status:	Combat Rating:									
Economy	Economy	Outstanding Contracts										
Tech Level	Tech Level											
Notes												

Solar System - Galaxy		Commander Status		Manifest								
GCW MT		Ship		Commodity	Quantity	Buy Price		Sell Price				
Present System	Destination System	Credits	Cargo Capacity									
Government	Government	Legal Status	Combat Rating									
Economy	Economy	Outstanding Contracts										
Tech Level	Tech Level											
Notes												