



as it is in

HEAVEN

A GUIDE TO SPACE TRAVEL

EPILEPSY WARNING

PLEASE READ BEFORE USING THIS GAME OR ALLOWING YOUR CHILDREN TO USE IT.

Some people are susceptible to epileptic seizures or loss of consciousness when exposed to certain flashing lights or light patterns in everyday life.

Such people may have a seizure while watching television images or playing certain video games. This may happen even if the person has no medical history of epilepsy or has never had any epileptic seizures.

If you or anyone in your family has ever had symptoms related to epilepsy (seizures or loss of consciousness) when exposed to flashing lights, consult your doctor prior to playing.

We advise that parents should monitor the use of video games by their children. If you or your child experience any of the following symptoms: dizziness, blurred vision, eye or muscle twitches, loss of consciousness, disorientation, any involuntary movement or convulsion, while playing a video game, IMMEDIATELY discontinue use and consult your doctor.

PRECAUTIONS TO TAKE DURING USE

- Do not stand too close to the screen. Sit a good distance away from the television screen, as far away as the length of the cable allows.
- Preferably play the game on a small screen.
- Avoid playing if you are tired or have not had much sleep.
- Make sure that the room in which you are playing is well lit.
- Rest for at least 10 to 15 minutes per hour while playing a video game.

'AS IT IS IN HEAVEN'

A GUIDE TO INTERPLANETARY FLYING SKILLS

BY ROY F. DIESEL

CONTENTS

Epilepsy Warning 1

BASIC FLIGHT

Take off and flight orientation..... 3

Navigation..... 7

Space travel 9

Landing on a planet or station..... 11

Radar 13

Targeting..... 15

Guns and Lasers 17

Missiles..... 19

Mines and decoys..... 19

Target shield and armour status..... 19

Your shields and armour..... 21

Communications 21

Camera views..... 23

EXTERNAL SCREENS

Option screen..... 24

Hotkeys..... 25

Exit..... 26

Electronic diary 26

SPECIAL EQUIPMENT

Blindfire..... 27

Nuke 'em..... 27

SOS distress receiver..... 27

Incoming mail..... 27

Tractor beam 29

Signal filter 29

BSE 29

RTS..... 29

Warp shields..... 29

FINAL BRIEFING

Protecting your cargo ship 31

Wingmen..... 31

Escort missions 31

Interplanetary Etiquette..... 32

SUMMARY 32

COMBAT ADVICE "Listen up, rookie!!!"

Excerpts from Slade 'TEX' Carver's CIS Interplanetary Combat Manual..... 33

SHIP, EQUIPMENT AND FIXTURE SPECIFICATIONS

Ships 35

Equipment..... 48

Fixtures 55

Miscellaneous..... 57

Notice..... 58

Limited Warranty 59

Credits..... 61

BASIC FLIGHT

If you've bought or been given this flight control manual, you either haven't got a clue what to do with a spacecraft, or if you ever did know, you've forgotten it all. Easily done, I'd probably forget my head if it hadn't been surgically secured with magnetic clamps. No matter, it won't take long to get you up to speed, give you a stunning tour of the known universe and let you know what you're up against. You'll start flying when we hit the spacelanes, as I believe that hands-on experience is the best teacher. Well, apart from Miss Chaquitta at the Elementary school on Destinas, but that's not important right now.

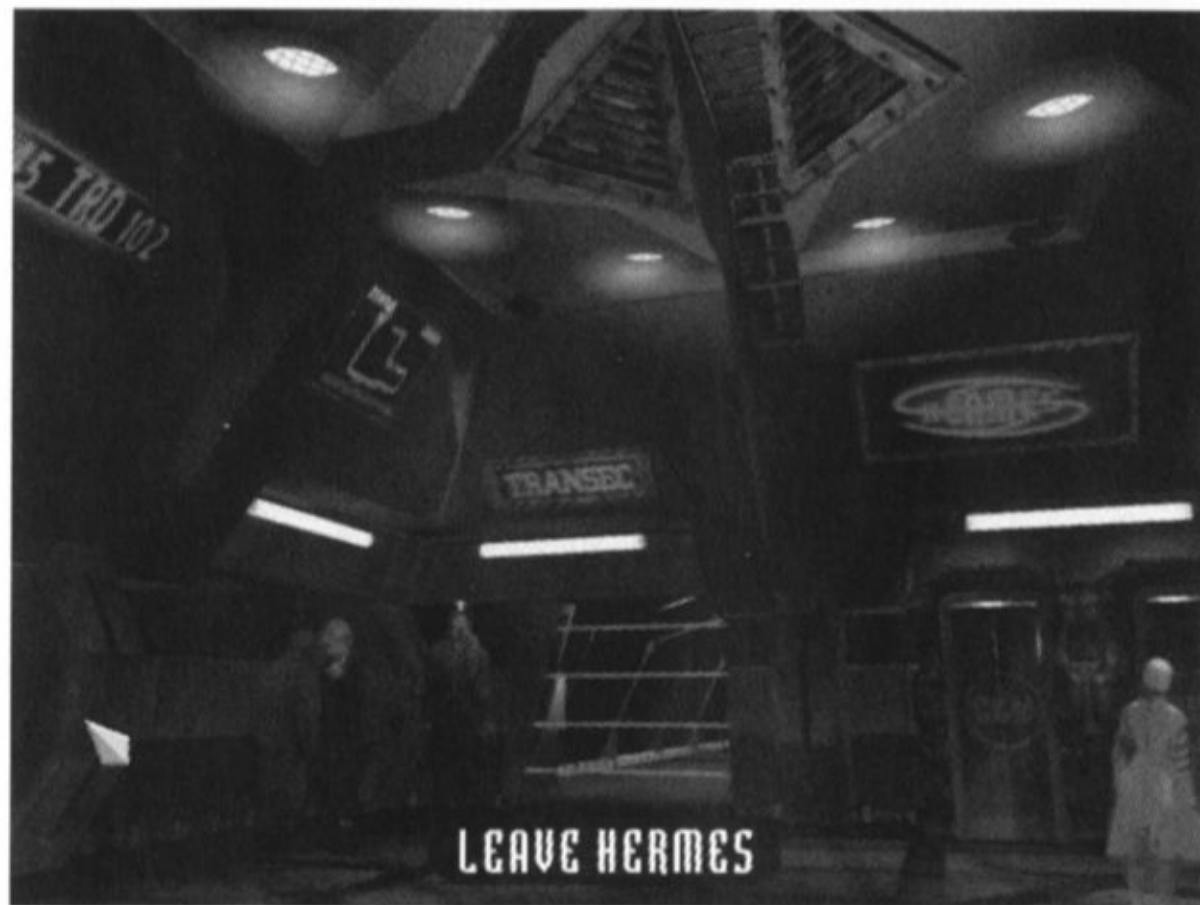
TAKE OFF AND FLIGHT ORIENTATION

As you probably already know, all ships these days are automatically injected and ejected out of planetary atmospheres by the local Off Planet Control. This is largely due to the huge number of crash landings and take-offs caused by incompetent pilots in the past. You may cycle through the exits, people and booths in all the interactive areas by pressing the right mouse button. So once you leave the customs area, relax - getting off the ground is done for you.

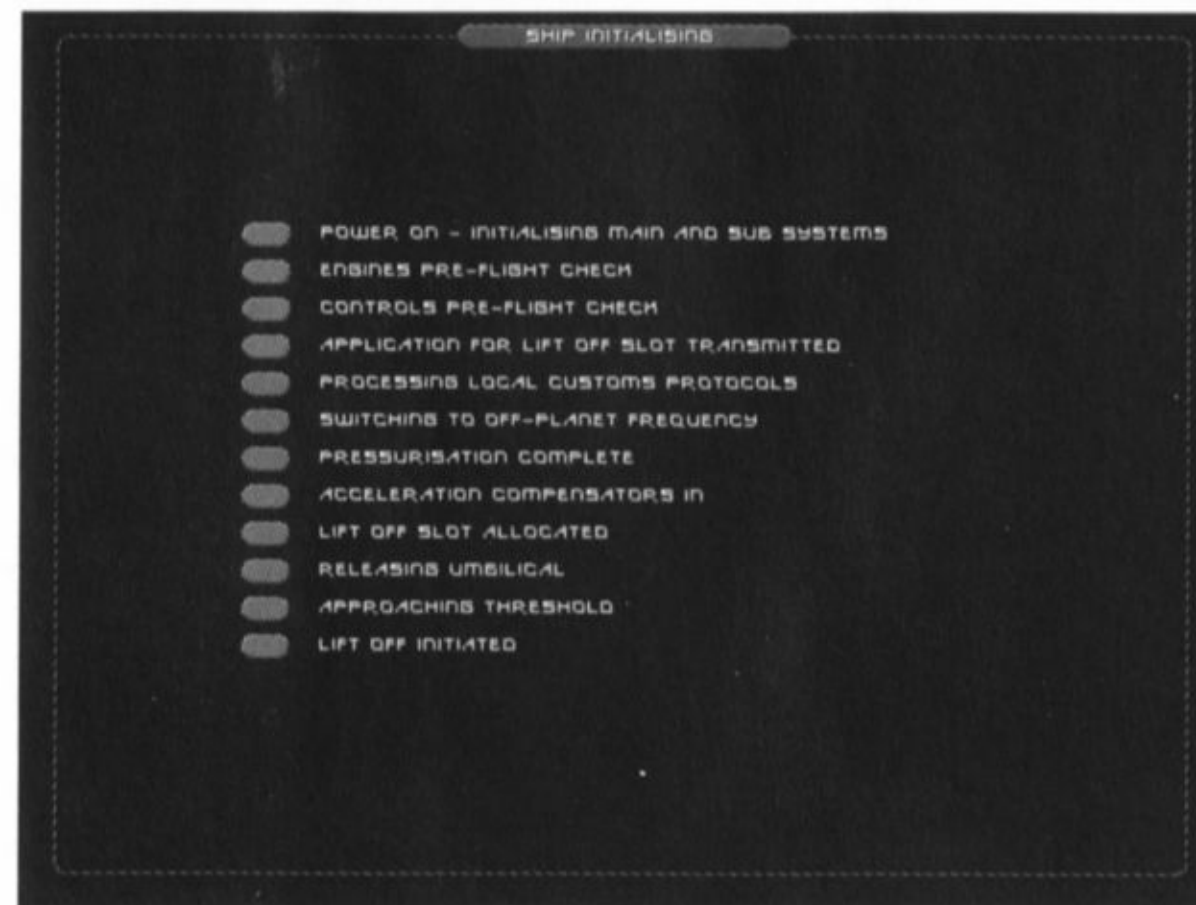
Okay, that's the easy bit over - we can now proceed with basic flight orientation. After the initial wrench of take off it's likely that your controls will need calibration, so hit Alt O to activate the Option Screen, pick the control device you would like and calibrate with the choices at the bottom of the screen.

Choosing / Calibrating a Joystick or Mouse

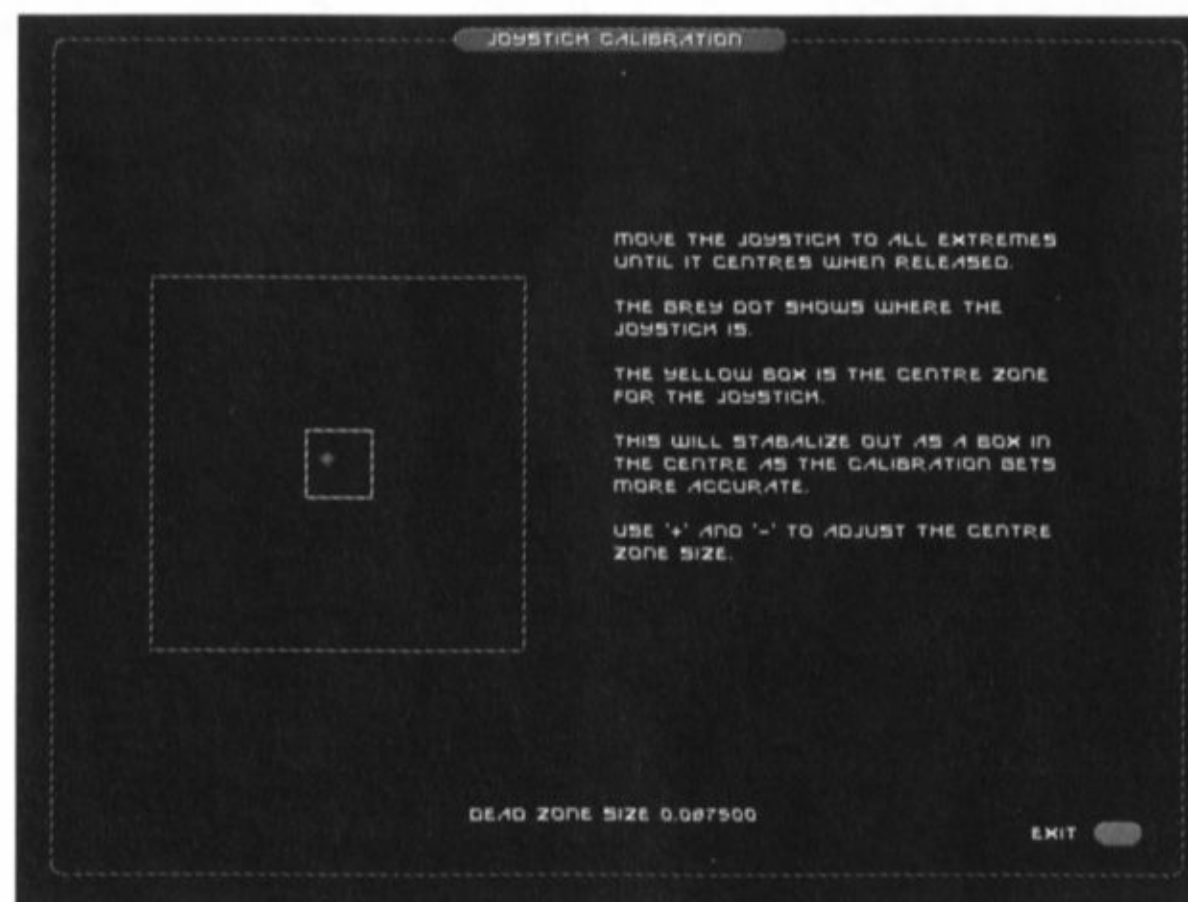
1. Press Alt O to activate the option screen.
2. Choose either JOYSTICK, JOYSTICK AND THROTTLE CONTROL or MOUSE.
3. Select the corresponding CALIBRATE option on the bottom of the screen.
4. Follow the calibration instructions on the right hand side.
5. Click on EXIT to save calibration and return to the options screen.



The Spaceport Customs Area, Hermes



Take off Screen



Calibrate Joystick Screen

Everything okay? Exit back to the cockpit view then grasp the flightstick (or mouse if you're that way inclined) and move it to its various extremities, paying attention to the way the starfield moves relative to your ship. Pretty simple, pull back to raise the nose, hard left to bank and turn left, etc.- it's hardly rocket science. Except it is, of course. For those of you with inverted spatial awareness this flight orientation can be inverted in the Option Screen, causing the nose to rise when you push forward on the flightstick and drop when you pull back. If your flightstick is fitted with a second button, you may hold it down whilst pushing left or right to yaw and roll.

So you now know how to turn on a Crian dime which is all well and good, but it isn't going to get you anywhere, astronomically speaking, without a little forward thrust. The control of main engines is so simple that a three year old could do it. Unfortunately, three year old pilots are a rare (and illegal) commodity, so it's down to you, I'm afraid. The basic thrust controls are as follows:

- + Increase velocity
- Decrease velocity
-] Accelerate to maximum
- [Brake to zero
- TAB Afterburners, while held down

If you have a THROTTLE CONTROL plugged-in, it will allow you to accelerate to maximum and brake to zero, overriding the key commands. Afterburners, however, will still be controlled by the TAB key as normal.

While your engines will carry enough power to get you to your destination, it's important to remember that those afterburners are thirstier than a Bexan pasture camel with an empty hump. So save them for emergencies, because they won't last forever (but they get refuelled each time you land). And for the speed freaks out there- you may want to buy an afterburner enhancer to boost your max speed when afterburners are switched on.

VELOCITY 192

VELOCITY 192

Velocity and Afterburners.

The scale in the lower bar how much afterburner fuel is left

GUNS

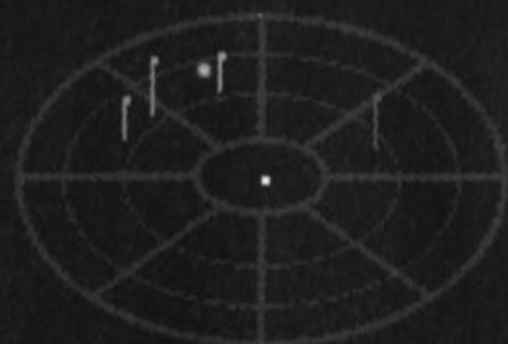


KRAVEN MKIIV LASER

TARGET



TYPE: SHAMAN
ID: 0263-10TD
SPD: 192
RNG: 26.5



NAVIGATION

So you've mastered basic flight control, but to get around in the Tri-System you're going to have to tell your navigation computer where you want it to take you, using the Navigation Map. This is activated by pressing Alt N, and shows the Tri-System made up of planets, minor planets, nav points and space stations. Tri-System space consists of pockets of 'local space' connected by 'jump' routes. These pockets are marked with floating Nav buoys or 'points', and you must 'jump' between these Nav points to get around. Your position is shown by a red marker. You can rotate the Nav Map by dragging the cursor across the screen with the right mouse button held down, or by pressing the R key.

Destinations can be selected by clicking on them with the left mouse button or by pressing F, then entering the name or number of location and pressing ENTER/RETURN. You will find that sometimes these can be found with just the first couple of letters e.g. HE will give you HERMES, whereas HEP gets HEPHAESTUS. The name of a destination is displayed in the bottom left corner of the screen.

When you have selected a destination, your route will be calculated and shown with a red line. In the bottom left of the screen is your route length, measured in JUMPS. You can make journeys more quickly by using the system jump gates, shown as dotted rings connected by yellow lines. You will be charged a toll for using this type of jump, but if you've got valuable cargo, it's a good way to avoid hostile pirates. It's important to remember that when you select a destination, the Nav computer will plot the shortest route using only Nav points, and it is up to your judgement to utilise the system jumps.

Selecting a destination on the Nav Map

1. Press Alt N to bring up your Nav Map.
2. Note the position of your ship (red marker), and click on a destination with your left mouse button.
3. Alternatively, press F and enter your destination's name or number, then press ENTER/RETURN.
4. Press EXIT to return to space.

Navigation Map Additional Keys

-	Zoom out	1	Toggle Planets
+	Zoom in	2	Toggle Nav Points
R	Rotate Nav Map	3	Toggle Nav Point numbers (The number only appears if Nav Points are on.)
C	Re-Centre Map	4	Toggle Space Stations

NAVIGATION MAP



HERMES (NAV POINT 5)
ROUTE LENGTH 1

EXIT

Repair stations have the prefix RS before their name. Equipment stations have the prefix ES before their name. Commodity stations have the prefix CS before their name. Super stations have the prefix SS before their name.

SPACE TRAVEL

So assuming you've planned a short simple route of a length of say 5 jumps, then we're ready to roll. Look for the smallest bar in the top centre of the screen, third from the top. If your local space is free of hostile ships, this will illuminate green, and you may jump to the next point on your route by pressing J. If the bar is red, there will be hostiles in the area which you must eliminate first before being able to initiate a jump safely, after all, you're a sitting duck while the jump drives are powering up (But I'm getting ahead of myself, and we'll discuss the issue of defending your ship later). If, for any reason, you are not able to eliminate aforementioned hostiles, an alternative course of action is to fly in the opposite direction until you are far enough away from them to jump. This will vary depending on the size of the pocket of local space you are in. So let's assume you have the green light. Press J to jump and feel your constituent particles being strained through the course weave of your undergarments as you are propelled across the improbable vastness of space at quite unnecessary speeds.

When you pop out at your next point on the route, the jump bar will display one of the following:

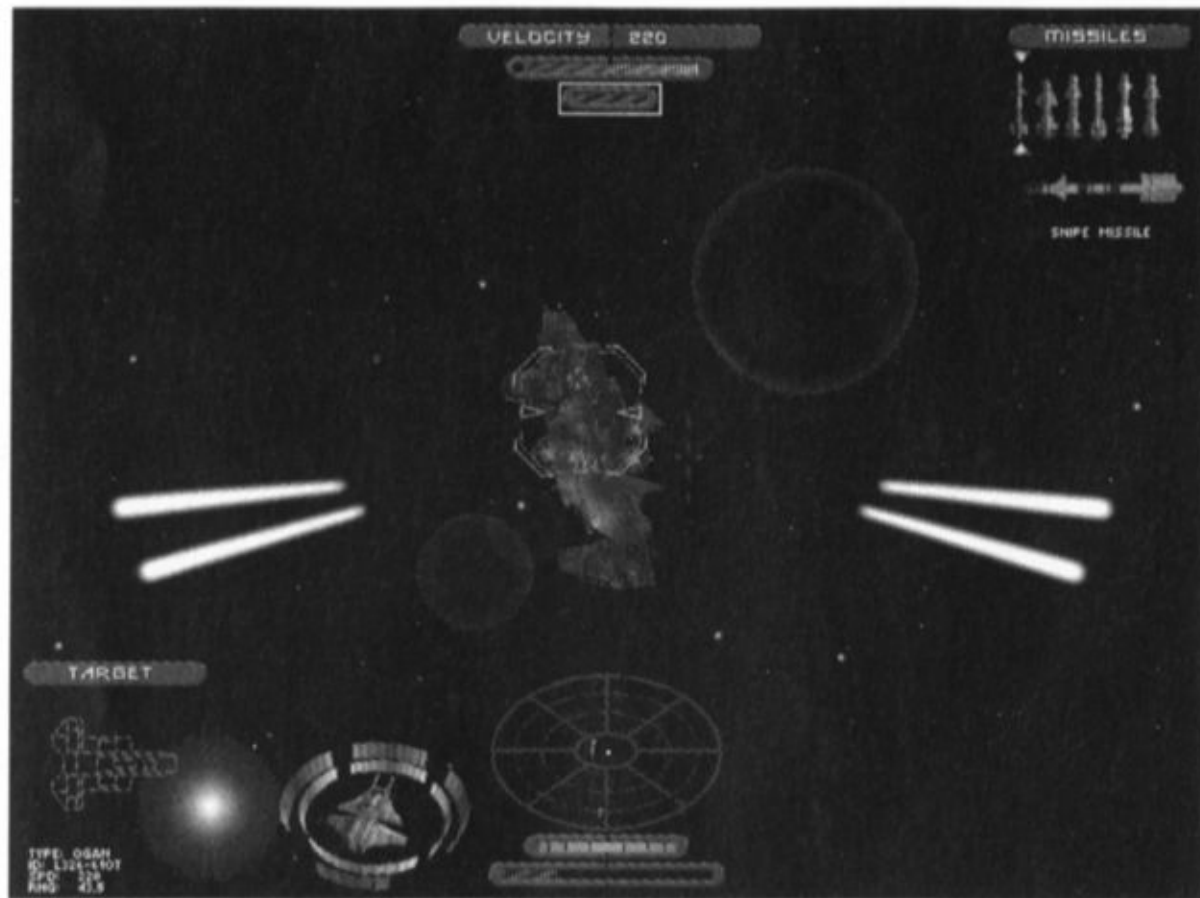
1. Orange increasing to full green - You are clear to jump again.
2. Red increasing to full red - You must first destroy all hostiles in local space before jumping.
3. Orange increasing to full orange - You have reached your destination.

Jumping between Nav Points

1. Select a destination and route on your Nav Map, then EXIT back to space.
2. If your Jump Bar (third from top centre of screen) is green, press J to jump.
3. If it's red destroy all local hostile ships first before jumping.
4. Continue to jump until you reach your destination. The jump Bar will now display orange.

Using System Jump Gates

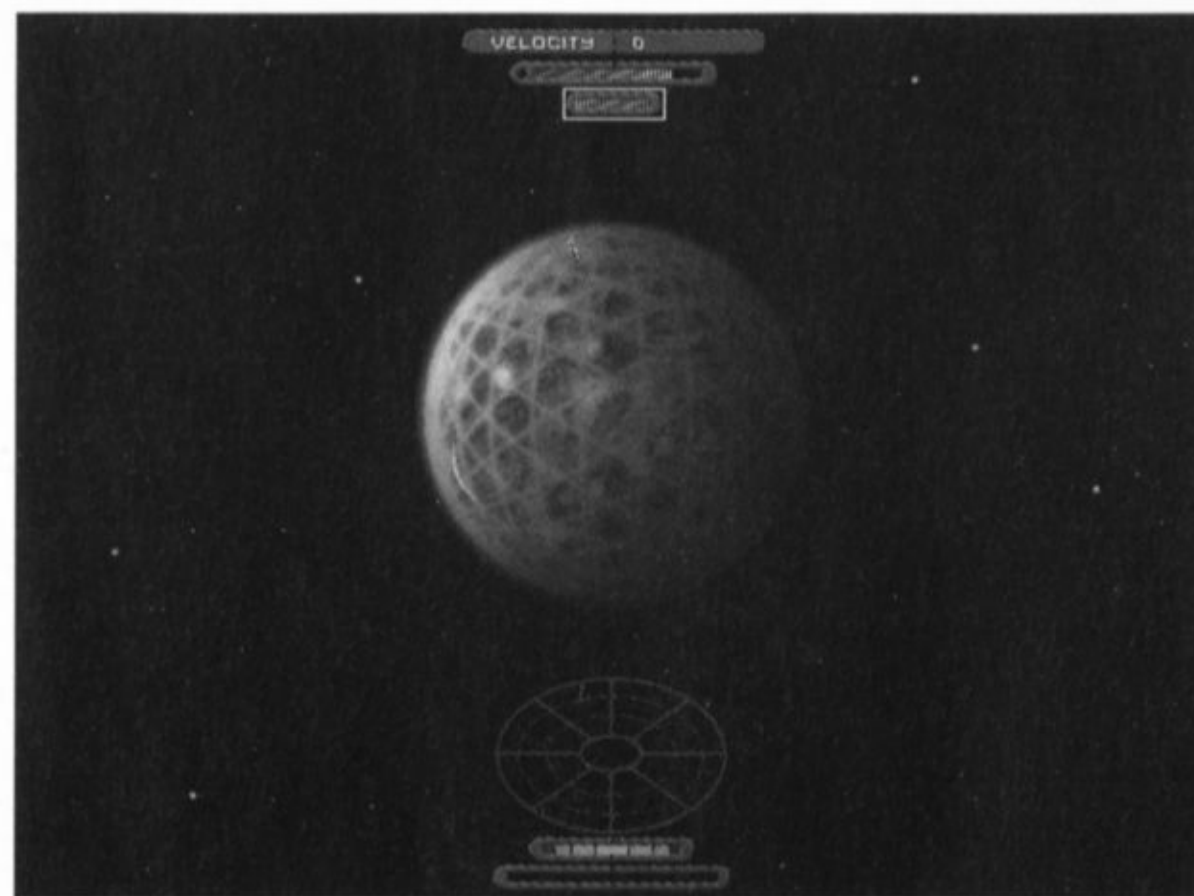
1. Select the Jump Gate you want to use on your Nav Map.
 2. Travel to that Jump Gate.
 3. Fly through the centre of the Gate's ring to start system jumping.
 4. When you emerge from the other end of the jump, pull up your Nav Map again to choose your next destination.
- Note: If you do not have enough credit for the toll fee you will bounce off the Gate's forcefield, damaging your ship.



Jump Bar Red - Hostiles in area



Jump Bar Green - Cleared to jump



Jump Bar Orange - Destination reached

LANDING ON A PLANET OR STATION

If you look at the target finder in the centre of your screen you will notice that a small blue triangle is circling it. This points to your closest planet, Nav point, space station, etc, and helps you to bring the object into view. If it's a planet you want to land on, fly straight at it and open your Communications window on the HUD by pressing C, and wait for planetary control to come up as an open channel. When it does, select it using the corresponding NUMBER on the keyboard, then ask for permission to land, again using the relevant NUMBER key. You will then be cleared and can sit back and chill out to the awesome views of an automatic landing on any of the eight major planets. If you don't communicate and just keep on going, you will burn up in the atmosphere.

If it's a space station, proceed in the same way as you would with a planet, but this time ask to dock. If you keep going you will collide with the armoured hull of the station and bounce off, causing considerable damage to your ship and enraging the station's pilot. And whilst we're on the subject of collisions, avoid flying into Nav buoys at high speeds. The results can be fatal.

Landing and Docking

1. Fly to the planet or fixture you wish to land on or dock with.
2. Press C to open the comms window. Once in range, you may select your destination with its corresponding NUMBER key.
3. Again using a NUMBER key, select a message, for example 'Permission to land.'
4. If clearance is given, proceed to destination.

So that's about it on getting around. However, what with the Tri-System being the unstable place it is, I strongly recommend you read on.

COMMS



REPAIR STATION
1. PERMISSION TO DOCK

VELOCITY 0



RADAR

The radar works in two modes. You may toggle between these using Alt R.

Mode 1: Celestial (Elliptical)

Everything you see on it represents an object in space. I like to visualise the radar as a huge transparent disk, with your ship right in the middle of it. If an object is on the same level as the disk, it will appear as a small point. If it is above the disk, there will be a line below the point- the longer the line, the higher it is. If the line is above the point then the object is below the plate, and will be in a slightly darker colour. And obviously the closer it is to the centre of the circle, the closer it is to you. If the object is on the edge of the circle you will have to accelerate in its direction to engage it, bringing it directly in front of you to reach it.

Mode 2: Patriarchal (Circular)

This older way of viewing local space is favoured by some of the more seasoned pilots in the Tri-System. The circle is divided into six sections, with each object again shown as a coloured point. The outer ring shows the position of ships behind you, the centre circle shows ships ahead of you and the four middle quadrants represent ship positions alongside, above or below you. To bring a target into view, find a point and by manoeuvring your ship, centre the point in the innermost circle of the display. It will now be directly in front of you. Which brings us conveniently on to the next part.

In both modes, the range of the radar can be cycled through by pressing E, and is shown in the bar directly below the radar, full orange bars = widest range, one orange bar = narrowest range.

The various points are colour-coded for ease of recognition:

Red = Pirates and Kindred

Green = Military

Blue = Neutral

Grey = Stations and Fixtures

Yellow = Missiles, Debris and Canisters

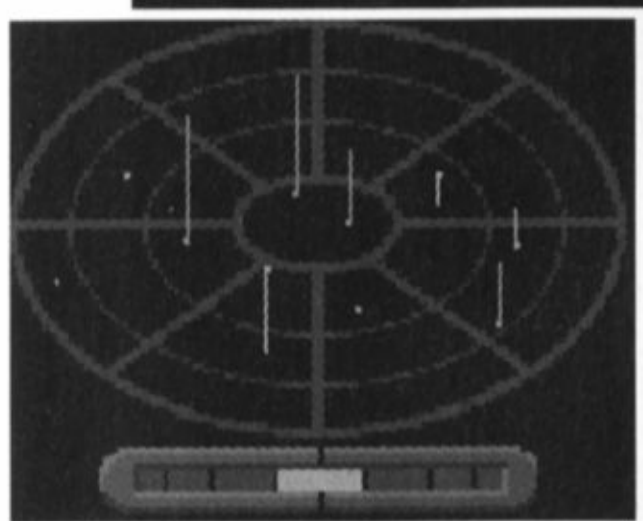
White = Current Target

COMMS



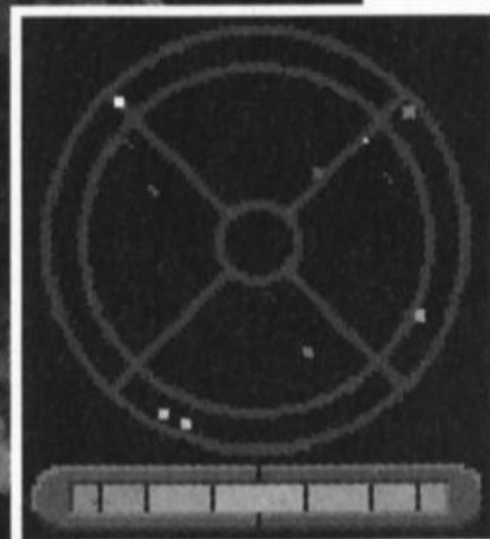
E376-84UM

VELOCITY 440



Celestial Radar

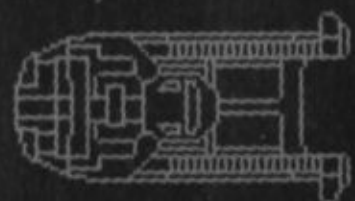
The scale in the lower bar shows the narrowest radar range



Patriarchal Radar

The scale in the lower bar shows the widest radar range

TARGET



TYPE: KIWAN SHUTTLE
ID: C122-21XE
SPD: 240
RNG: 32.5



TARGETING

You have to target ships or objects in space to identify them, communicate with them or destroy them (You can't target planets or fixtures like space stations- you just have to get close to speak with them). To select a target, press A, which will also open up the target identification window in the bottom left of the screen, if not already open. In this window you will find all available info on what you have targeted, with the object's picture colour-coded consistently with the radar display. **PAY CLOSE ATTENTION TO THIS INFO AS IT MAY REVEAL THE SINISTER NATURE OF WHAT MAY AT FIRST APPEAR TO BE AN INNOCENT SHIP.** You must of course get within four lengths of a ship or object in order to scan it.

Pressing A and Z will scan backwards and forwards through the objects in your local space, targeting each one in turn. Once targeted, an object will be surrounded by a targeting ring, or if off screen, it's direction will be indicated by a moving arrow circling your target finder. The target ring and arrow are gold if the target is outside of the range of the standard stream laser, and red if within.

By pressing Q or a second joystick button you will target any object within 10 degrees of the front arc of your cross hairs. To select the closest hostile target press W. To select the closest friendly press S. For the expert or downright stupid pilot, press Alt T to toggle targeting off. You will still have gunsights, but will not be able to identify targets, or achieve missile lock.

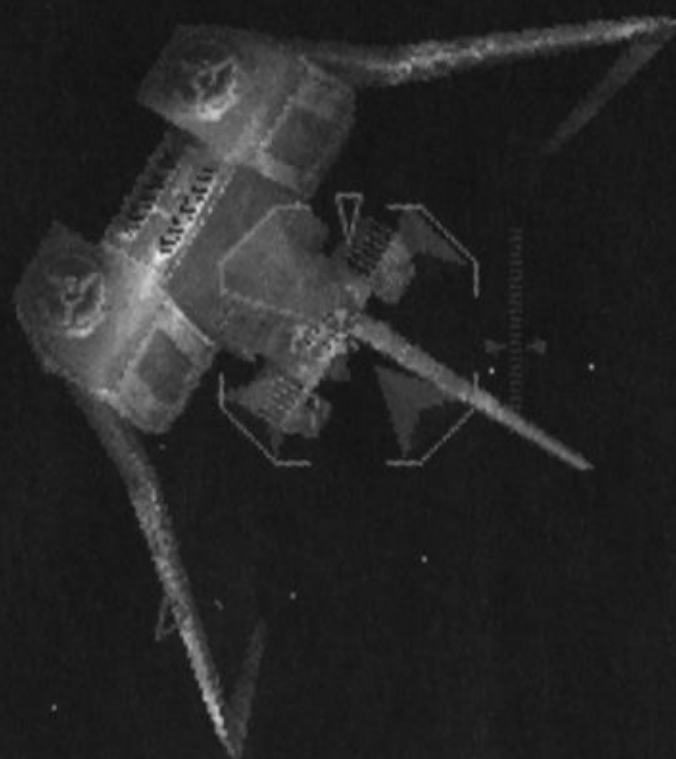
If you wish to store a target for quick recall later, press 0 - 9 with Shift. To recall that target providing that it is still valid and within range, press 0 - 9.

And finally, if you wish to match your speed with that of your target, press X.

Target and store an object

1. Press A to open Target window.
2. Toggle through targets in local space using the A and Z keys to select your target.
3. Press a number key 0 - 9, while holding down SHIFT. The target is now saved to that number.
4. To recall a stored target press a number key 0 - 9.

VELOCITY 192

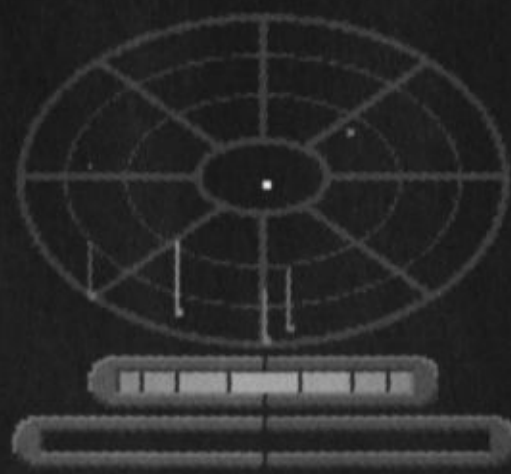


Target I.D. Window

TARGET



TYPE: SHAMAN
ID: 0263-10TD
SPD: 192
RNG: 11.6



GUNS AND LASERS

Open the guns window on the HUD by pressing G. You will then see what guns and lasers are available. You may fire one or more of these simultaneously, but they must be activated first. To do this press H, which will move the small green pointers on to the desired weapon, then press N to switch them on (red) and off (grey). Using F turns them all on, giving you maximum firepower. And did I fail to mention that your TRIGGER will fire the babies? When you have a ship in your sights that you fancy taking out, simply shoot at it. Except it's not that simple.

You see, although they are called lasers, that's not exactly correct. They don't fire light, but concentrated electromagnetic bolts of energy. And because they aren't light, they don't move at the speed of light. So you have to fire in front of a moving object in order to hit them. Your friendly on-board computer, Danni, gives you an estimate of where the ship will be when your lasers reach it. It's that small orange icon floating in the cross hair. Fire at that and you have a much better chance of hitting your target.

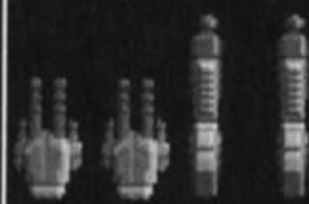
Excessive use of lasers will result in them overheating, which means they will fire sporadically or not at all. The overheating bar is at the bottom centre of the screen. Buy a coolant unit to give partial relief from this problem.

VELOCITY 192



Guns and Laser Window

GUNS

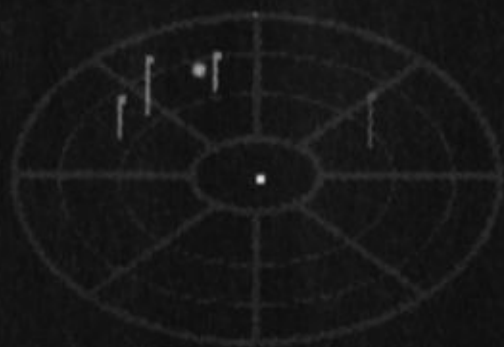


KRAVEN MKIV LASER

TARGET



TYPE: SHAMAN
ID: 0263-10TD
SPD: 192
RNG: 26.5



DETECT RANGE



MISSILES

Press M to open the missile window. You will then see what missiles and torpedoes are available. You may launch one or more of these simultaneously, but they must be activated first. To do this press H, which will move the small green pointers on to the desired weapon, then press N to switch them on (red) and off (grey). If you keep your target on screen for long enough, the computer can lock her missile sights on, showing the closing lock ring. When lock has been achieved press ENTER / RETURN to launch the missile, which will then be guided by the ever present Danni to the target. You may fire more than one at a time if necessary.

Fire a missile at an object

1. Press A to open Target window.
2. Select target using the A and Z keys.
3. Bring target into view so that computer can obtain missile lock.
4. Press M to open missile window.
5. Wait until missile lock is achieved, then press ENTER/RETURN to fire.

MINES AND DECOYS

Open your mines window with a press of the B key. To choose a mine or decoy, press H which selects each type in turn. Press the DELETE/BACKSPACE key to release them. The number of each type of mine you have left is shown next to its icon. For missiles that are locked on your tail I recommend the use of decoys. You will be made aware of incoming missiles by a flashing icon towards the top left of the screen.

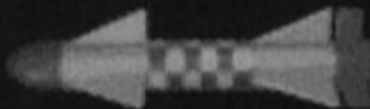
TARGET SHIELD AND ARMOUR STATUS

If you've got the targeting system working, you'll see the targeted ship's shields and armour to the left of your radar, with a red ship icon in the centre. As you fire, the shields (the outer blue layer) are gradually worn away, and the image of the ship shows where the shots are hitting. If you stop shooting or hitting, the shields are given a chance to recharge themselves. To break the shields down, you have to keep firing persistently. Then you can begin to take out the armour (the yellow inner layer) and blow the ship apart.

VELOCITY 220



MISSILES



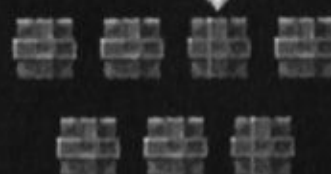
BRUTE MISSILE MKII

Missiles Window



Mines and Decoys Window

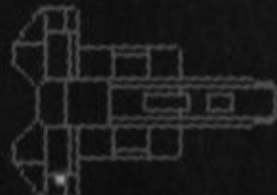
MINES



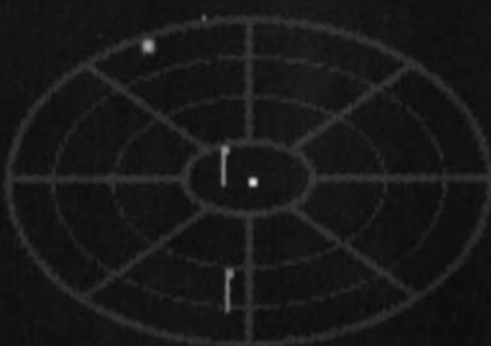
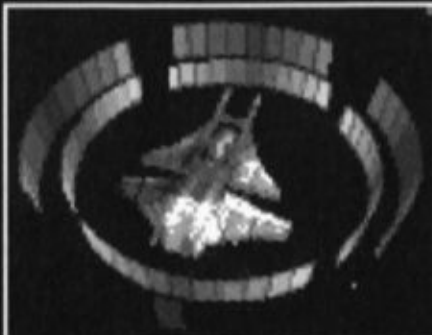
15

HI-EX MINES

TARGET



Target Shields



TYPE: OGAN
ID: L326-610T
SPD: 220
RNG: 41.8

YOUR SHIELDS AND ARMOUR

If another ship starts firing on you or launching missiles you should consider counter attacking or getting away quickly, afterburners ablaze. When you are hit, your own shields are displayed to the right of your radar, with a blue ship icon in the centre. In extremely desperate situations, you may wish to swing your ship around to give damaged shields time to recharge, which they will do more quickly if a Shield Enhancer is fitted. When you collide with another ship or object, you will notice that it is deflected a short distance from the surface of your ship. This is caused by the impact of the shields against each other, and will deplete their energy. Once you have sustained damage to armour, you will find that certain things like communications and flight control begin to malfunction. If you have an Auto Repair Unit on board you may get them back on line. To monitor the status of damage to systems, press D, which will open the window in the bottom right of the screen.

COMMUNICATIONS

The sub-theta radio allows you to bark orders at cargo ships and wingmen, ask for permission to land and dock, and taunt enemies, among other things. By pressing C you will open the Comms window on the left of the HUD, which will give you a choice of available people to talk to, if any. Select one of these with the NUMBER keys, then select the chosen message to transmit in the same way.

Communicate with another ship

1. Press A to open Target window.
2. Cycle through targets using the A and Z keys.
3. Press C to open the comms window. Select your target with its corresponding NUMBER key.
4. Again using a NUMBER key, select a message, for example 'What's your status?'

COMMS



CARGO PILOT

1. WHA'S YOUR STATUS?
2. LET'S GET GOING
3. HOLD YOUR POSITION

VELOCITY 200

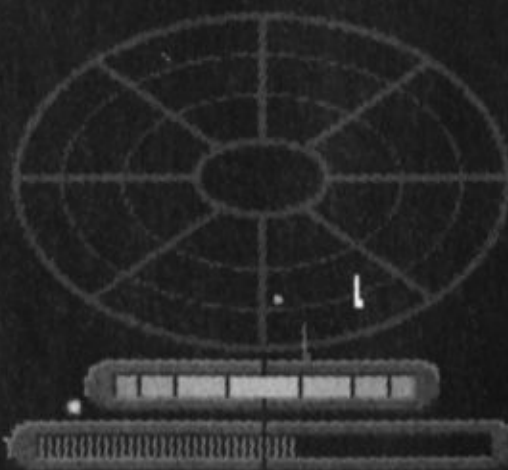


Communications Window

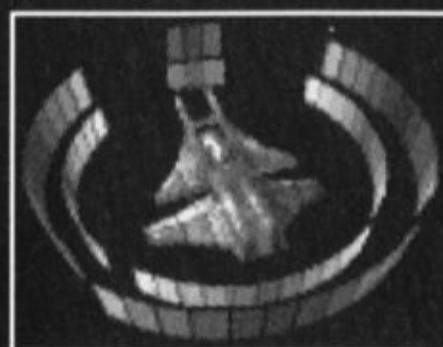
TARGET



TYPE: KALRECHI
ID: 7777
SPD: 215
RNG: 732.0



Your Shields



CAMERA VIEWS

Sometimes the answer to a problem is in a change of perspective. You can press various F keys to change the view of your ship and local space. These are:

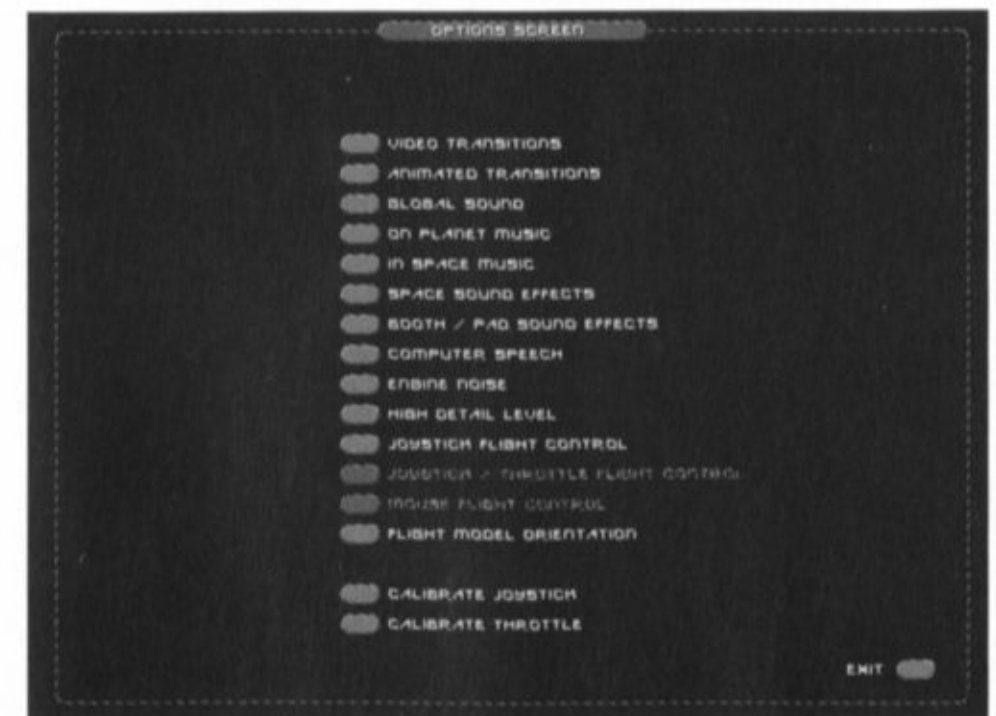
- F1 Forward View - The view from your cockpit including instruments.
- F2 Left View - The view looking from the left of your ship.
- F3 Backward View - The view looking from the back of your ship.
- F4 Right View - The view looking from the right of your ship.
- F5 Player Ship External View (Circle ship using ARROW keys, zoom with [and] keys) - A floating camera which circles your ship allowing views from all angles.
- F6 External Ship Camera - A view from a floating camera positioned just in front of your ship looking forwards.
- F7 Target External View (Circle object using ARROW keys, zoom with [and] keys) - A floating camera which circles your target allowing views from all angles.
- F8 Target Chase Camera - A floating camera which follows your target.
- F9 Fixed Camera - A view from a camera which is fixed in space, at the point you select it.
- F10 Cinematic Camera - A camera which cuts from view to view to follow the action in space.

EXTERNAL SCREENS

OPTION SCREEN

Press Alt O and you will activate the computer's internal option facility, allowing you to turn various features on and off, altering the way you perceive the space and worlds around you. You will also find the calibration systems for flight control interfaces such as your flightstick here. The options are:

- | | |
|--------------------------------------|---|
| Video transitions - | Toggles views of landings and transits |
| Animated transitions - | Toggles views of the CCN and PAD loading up |
| Global sound - | Toggles master sound |
| On planet music - | Toggles planet background noise |
| In space music - | Toggles space music |
| Booth / PAD sound effects - | Toggles sound from the CCN and PAD |
| Computer speech - | Toggles ship computer voice |
| Engine noise - | Toggles engine noise |
| High detail level - | Toggles visual detail level and frame rate |
| Joystick flight control - | Selects joystick for flight control |
| Joystick / throttle flight control - | Selects joystick with throttle for flight control |
| Mouse flight control - | Selects mouse for flight control |
| Flight model orientation - | Inverts flight control |
| Calibrate joystick - | Allows calibration of joystick |
| Calibrate throttle - | Allows calibration of throttle |



HOTKEYS

An emergency aid for the inexperienced, amnesiacs, or when your grasp of the controls is slipping, Alt H brings it up. Split over two screens, this contains all the of the in-flight key commands you will need. Select the second screen by pressing NEXT.

HOTKEYS

THRUST / BRAKE

- X** MATCH SPEED OF TARGET
- TAB** AFTERBURNER (HOLD)
- +** INCREASE SPD
- DECREASE SPD
- [** SET SPEED TO ZERO
-]** SET SPEED TO MAX
- J** JUMP

TARGETING

- Q** TARGET CLOSEST OBJECT TO CROSS HAIR
- A** SELECT NEXT TARGET
- Z** SELECT PREVIOUS TARGET
- W** SELECT NEAREST HOSTILE TARGET
- S** SELECT NEAREST FRIENDLY TARGET
- E** TOGGLE RADAR RANGE
- ALT R** TOGGLE RADAR TYPE
- ALT T** TARGETING OFF
- SHIFT 1-9** STORE CURRENT TARGET TO THAT NUMBER (IF COMMS CLOSED)
- 1-9** RESTORE SAVED TARGET (IF COMMS CLOSED)

WEAPONS

- SPACEBAR** FIRE BUNS
- RETURN** FIRE MISSILE
- BACKSPACE** DROP MINES / DECOYS
- F** TOGGLE FULL BUNS / NO BUNS
- H** SELECT WEAPON IN CURRENT WINDOW
- N** TOGGLE SELECTED WEAPON ON / OFF

NEXT

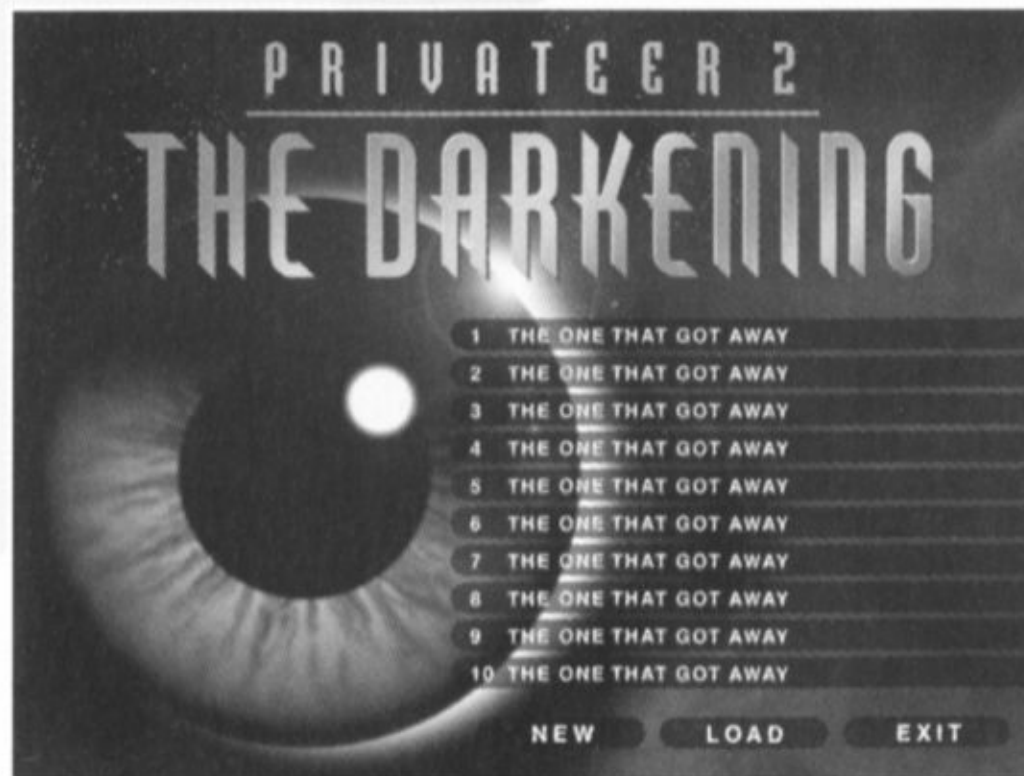
EXIT

EXIT

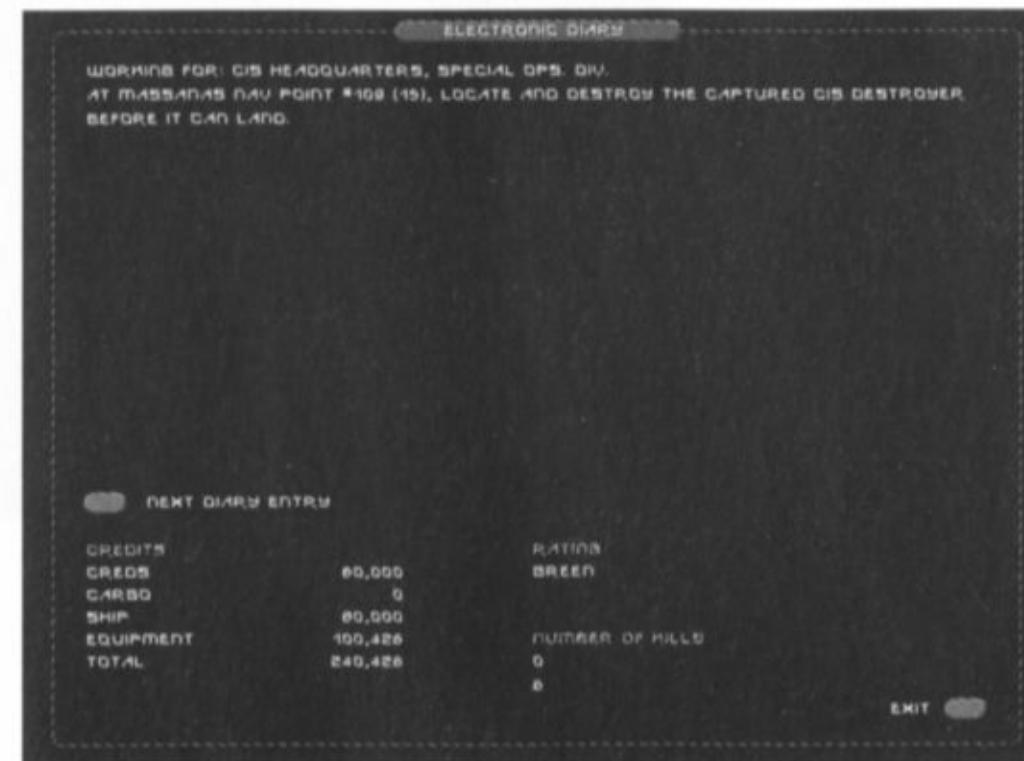
Press Alt X to escape from space. You will then be returned to a central screen which will give you the choice to Start a new game, Load a saved game or Quit

ELECTRONIC DIARY

Press Alt D and you'll see any memos you've made to yourself as well as information pertaining to your personal status in terms of missions, credit, cargo, etc. The diary has five entry holders, so even if the first is empty, it is important to check through further ones by clicking NEXT DIARY ENTRY.



Exit Screen



Diary Screen

SPECIAL EQUIPMENT

The following hardware will come as standard or can be acquired and fitted to your ship. Some is available through the Booth System, and some may be obtained from individuals and organisations you may encounter.

BLINDFIRE

Remember the computer-assisted gun tracking system I spoke of earlier? Well this additional software makes your target finder change colour to red when you have centred sights accurately enough to hit with your guns. It's an absolute babe of a feature when you're trying to track a fast moving prey. Only available to the military, you will have to make some friends high up in the CIS to get one of these installed.



NUKE 'EM

This horrible device emits a blastwave from the vicinity of your ship powerful enough to annihilate everything in close proximity but the most resilient dreadnoughts. The damage is worse near the epicentre, dissipating outward. The device carries a small synchronic temporal warp generator which at the point of detonation throws you marginally forward in time after the blast, giving you escape from the carnage. However, it does not extend this benefit to any cargo ships or wingmen you may have in tow, who will encounter a particularly terminal, and bad, day. The Campaign for Real Time considered this weapon to be a breach of most time laws and lobbied against its legality, until one day, quite by accident, a rogue Nuke 'em landed on their offices during an annual general meeting. Alt S releases this monster. Buy it from the CCN system.



SOS DISTRESS RECEIVER

This device tunes your sub-theta radio to the emergency SOS frequency, allowing you to receive distress calls. Turn it on and off with O. There will usually be some cash in it for you should you choose to accept a rescue mission, but if you're filthy rich or just plum lazy, you may want to switch it off.



INCOMING MAIL

During space flight, it is likely that you will be e-mailed by other people, often with important information or the offer of missions. Any particularly important news will be automatically logged in to your electronic diary. An incoming e-mail will be indicated by an icon in the upper left of the screen, along with an audible alarm. The e-mail screen then opens automatically and can be closed using the EXIT button.



TRACTOR BEAM

You will sometimes find it necessary to drag things around or onto your ship, and this is the tool for the job. To operate, TARGET the relevant cargo, spaceman or escape pod, get into close proximity, cut velocity to next to nothing, and hit T to obtain a grip. To release an object hit the Y key.

SIGNAL FILTER

This will give you partial protection from computer viruses being transmitted at your ship via the sub-theta radio. But what with the rate that new viruses are being written, it is not 100% reliable. Buy from the CCN system.

BSE

TARGET a ship, then release your BSE (Binary Sickness Emitter), and it will infect their computer's circuits, leaving you to get cracking with your lasers while they flounder like a fish out of water. After being transmitted its high frequency resistors must recharge before further use. Alt B to activate. Available from the CCN system.

RTS

The Return to Sender, or RTS for short is activated in those desperate moments when a brute missile with your name on it is attempting to perform some radical modifications on your ship. Your ship computer activates it, and stands a good chance of sending a locked missile back from whence it came, much to your amusement and your assailant's surprise. Not available commercially just yet, you may get one in return for completing a mission, and once fitted it will attempt to return every missile that is thrown at you.

WARP SHIELDS

These guys will give you temporary invulnerability during desperate moments when an entire pirate clan is releasing its combined firepower at you. This kind of protection can only be maintained for short periods of time, and will die when its power is used. It will however recharge automatically. Alt W activates them. Buy from the CCN system.



FINAL BRIEFING

PROTECTING YOUR CARGO SHIP

A hardy bunch of individuals, the cargo pilots of the systems will doggedly follow you around space carrying your cargo for little more than a few creds and a slap-up feed at Fat Pats' transport diner in the Scatter Belt.

They will also tell you when they are being attacked. Cargo is a temptation for hostiles, so taking it on a mission to wipe out a bunch of pirates may not be advisable. And don't fire on your cargo ship, as it will only take so much before firing back, and many of the bigger rigs have some pretty awesome firepower at their disposal.

You can ask a ship to hold it's position while you go on ahead, but this puts it at risk while unguarded. And bear in mind that these monsters take longer to jump than you, so give them a second to catch up on long routes.

If the military scan your cargo ship and detect black market goods such as pleasure borgs, there is a chance that they will fire on you.

WINGMEN

A wingman makes a useful ally when going into a tricky situation, providing that you have chosen one of the more reliable and adept ones out there. By using the communications channel you can instruct them to perform certain tasks during combat. Again don't fire at them, because after a while they will turn on you like a grumpy guard dog, armed to the teeth with lasers. Okay, guard dogs rarely have lasers, but wingmen do. Hire them from the bulletin board in the CCN Booth system.

ESCORT MISSIONS

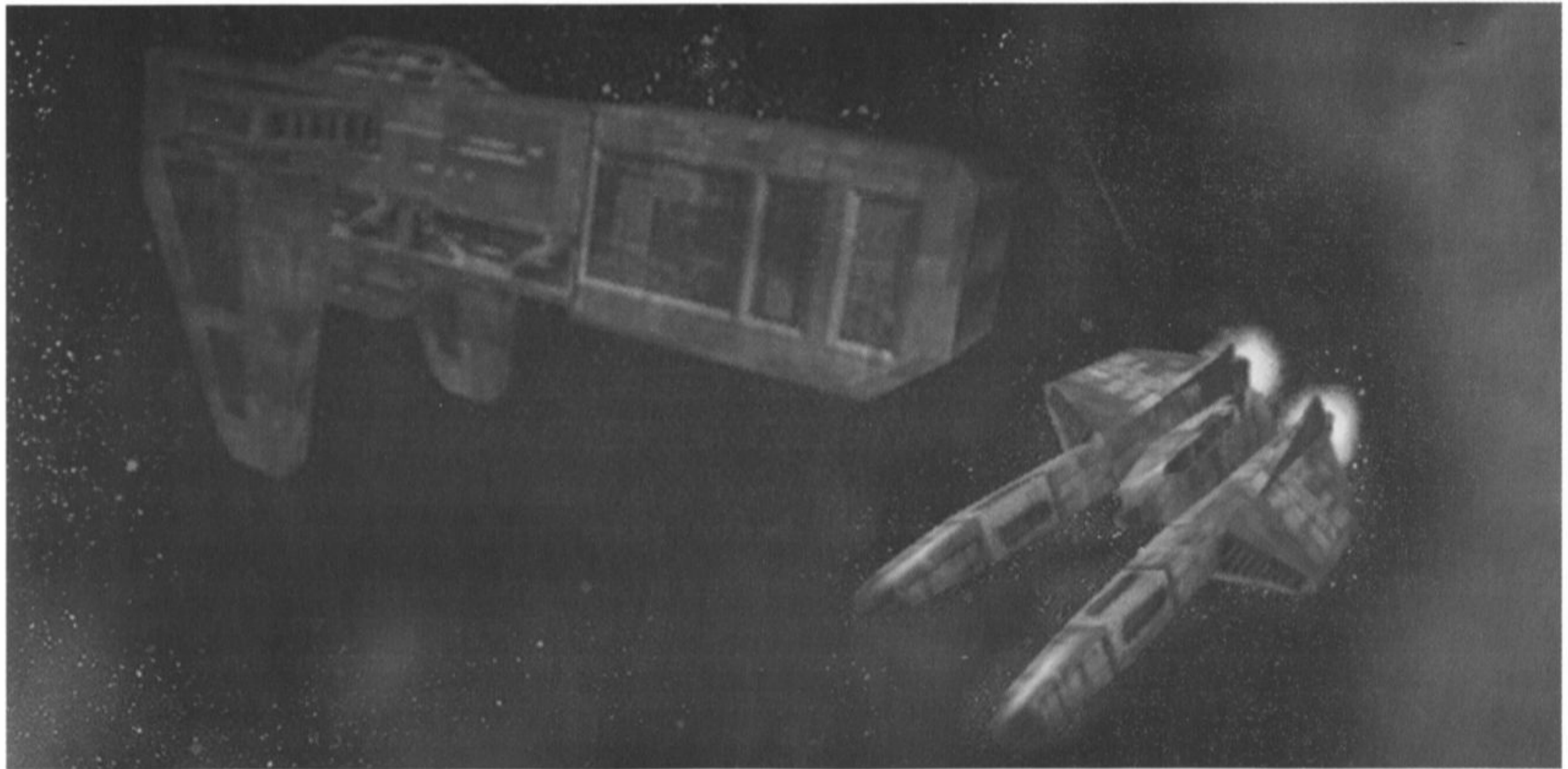
You may find yourself carrying out escort missions. In these situations you must rendezvous with a ship at a given point in space, and then select the destination given in the mission description on your Nav map. It is advisable to store the ship as a target (see TARGETING section) as this will make them easier to find should you get seperated. You must then communicate with the ship you are escorting, and tell them to get going to the destination. Wait until they have jumped, then jump after them. If for any reason you become separated, for instance by hostiles, it is recommended that you continue to follow the selected course and find the ship you are protecting, as it may be attacked further down that route. When you have both reached your destination, allow them to dock or land first, otherwise you will not be rewarded.

INTERPLANETARY ETIQUETTE

I should warn you that firing on non-hostile ships will not be taken lightly, especially if they are CIS / Military. The military will generally leave you alone, providing that you don't shoot at them.

SUMMARY

Stay alert, and have eyes in the back of your head (There are surgeons on Crius who will perform that operation very reasonably). Obviously the best way to master all this theory is by getting behind the instruments and trying it out. Have a look in the CCN booths for ships and equipment, pick what's right for you, and go for it.



COMBAT ADVICE

"LISTEN UP ROOKIE!!!" - EXCERPTS FROM SLADE 'TEX' CARVER'S CIS INTERPLANETARY COMBAT MANUAL

INTRODUCTION BY
COMMANDER BRETT STRYKER : CIS SPECIAL OPS

Let me introduce you to possibly the toughest hombre in the universe. He's won every honour possible, a walking, talking twenty-four carat legend. Look up 'tough' in the dictionary and you'll find a picture of this guy next to it. Ask anyone in the Tri-System about Tex and they'll tell you about his now legendary One-Way Ticket Torpedo Run in the Scatterbelt Wars. They said no man could complete this mission, but then Tex is no ordinary man. His honours include:

Golden Cluster (only four men have won this honour, and three died in the process)

The Silver Comet

Legion of Honour

The Platinum Star

Distinguished Medal of Honour, for conduct above and beyond the call of duty

The Black Eagle of Courage

Standard of the Brave

This is a man who demands respect - pay attention.

COLONEL SLADE 'TEX' CARVER : CIS SPECIAL OPS 'BLACKWATCH' REGIMENT

Listen up rookie and listen good. I know what you're thinking. You're going to go out there and kick ass. Well, think again cherry. You go into combat unprepared, and before you know it you're history.

Those sons of bitches ain't gonna cut you no slack so you better show some savvy. You want to play hardball, then you'd better be packin' some heat. No point in bringing a switchblade to a firefight.

Getting your hands on some real hardware doesn't come cheap. To start with you need to avoid dangerous missions and make some quick money. Begin with some simple cargo runs, nice and short runs though 'cause you can bet your butt there's gonna be pirates sniffin' around for that easy kill.

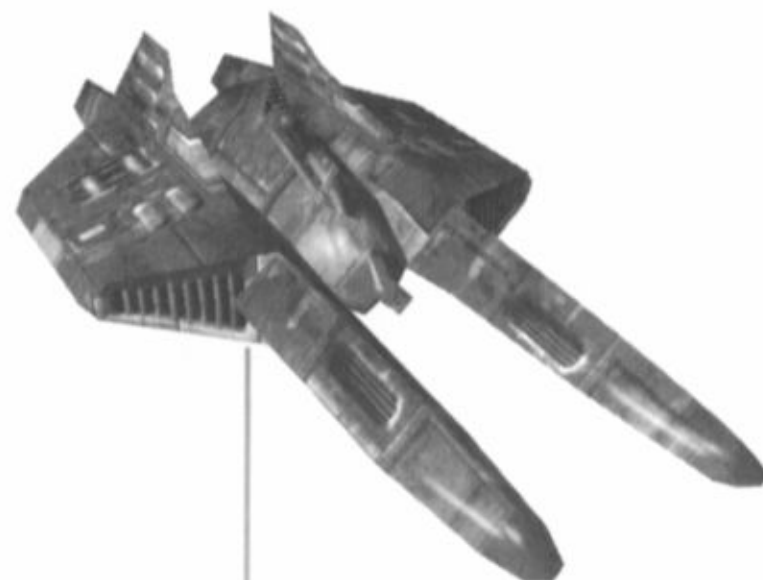
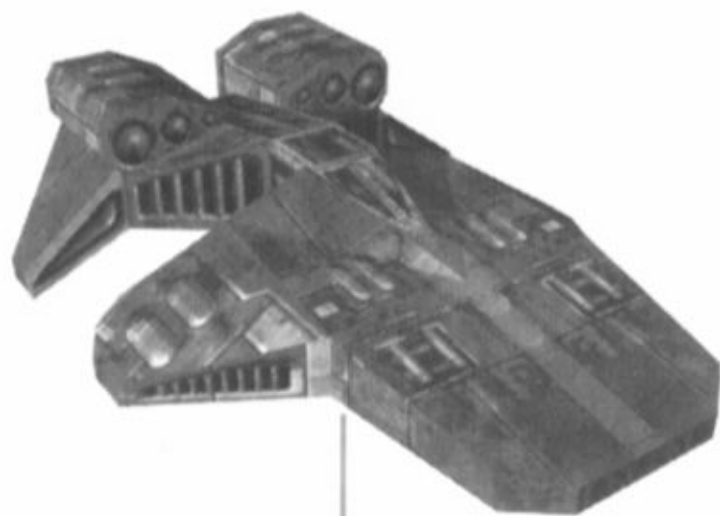
OK. Now you got yourself a rig that's going to give you a fighting chance, here's some pointers picked up during twenty years of military service.

1. Never go head to head and take unnecessary damage when you can afterburn past a target. Latch on to his tail and erase his butt.
2. Use wingmen. The quality of these mercs can vary, but if you're going on a mission or a cargo run where you know it's going to get heavy, a wingman can be useful in taking some of the heat.
3. Missiles. Make sure you use the right missile for the right job. Hellraisers for capital ships, Pythons for fast ships, you know the score. Look at the specs for details.
4. Defend your cargo ship. You go glory hunting and your cargo ship is gonna be chopped liver. Protect him, and he'll protect you.
5. Ramming. You won't find this in the CIS Space Combat Manual, but take it from a veteran, if some suckers' shields just won't drop, ram them! Believe me, they'll go down!
6. Communications. A mistake I've seen a lot of rookies make is to neglect the comms. Make sure you don't. Why? I'll tell you:
 - a) You're getting your butt chewed up by some pirate. Get on to your wingman/cargo ship to help out.
 - b) Your buddy's getting shot up by pirates. Thing is, you can't afterburn there in time to save him. What do you do? Use the taunt option in comms. Most pirates have such fragile egos that nine times out of ten, after a couple of taunts they'll turn their guns on you, giving your buddy some breathing space.
8. Roll. Use your ship's lasers to their full potential. Using the roll button on your flight stick, align yourself with the target. If you're really keen you can do a ninety degree roll to fly down the gap between his lasers. Remember, you paid good money for this kit - use it.
9. Attacking ships with turrets can get pretty hairy. Brass balls will only get you so far. However, most ships have an Achilles Heel, where the turrets can't touch you. It might be under the belly, rear, whatever. Take refuge here and then blow that hairball to hell.

Well rookie, that's about it. Tricks of the trade like this have got me through the last twenty years of fighting for the Corps. Hopefully, they'll do the same for you.

Give 'em hell out there.

PLAYER SHIPS



STRAITH Light Fighter PL01

Modules: 2 Missiles: 2 Guns: 2 Performance: Poor Strength: Low

AURORA Light Fighter PR01

Modules: 4 Missiles: 4 Guns: 2 Performance: Average Strength: Medium

VELACIA Light Fighter PL02

Modules: 3 Missiles: 3 Guns: 2 Performance: Poor Strength: Low

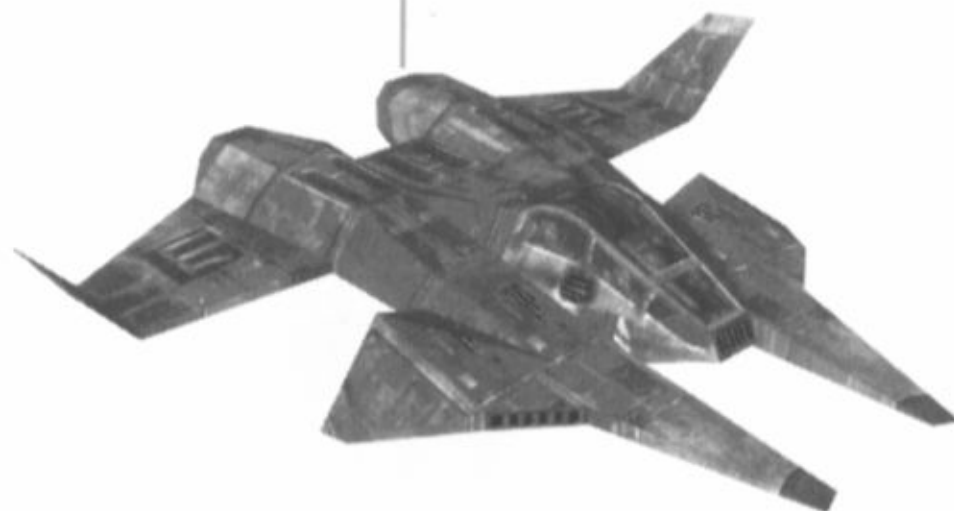
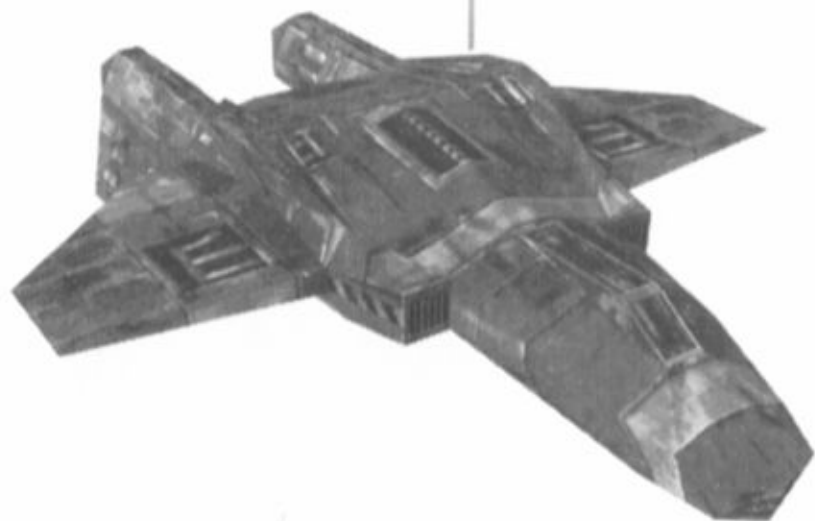


DRAKKAR Light Fighter KN01

Modules: 5 Missiles: 5 Guns: 4 Performance: Good Strength: Medium

DURESS Light Fighter ML01

Modules: 4 Missiles: 6 Guns: 2 Performance: Excellent Strength: Medium





SHAMAN Medium Fighter PR02

Modules: 4 Missiles: 4 Guns: 2 Performance: Poor Strength: Medium



JENDEVI Medium Fighter PR04

Modules: 4 Missiles: 4 Guns: 3 Performance: Average Strength: Medium

SKECIS Medium Fighter PL03

Modules: 5 Missiles: 4 Guns: 4 Performance: Average Strength: Low

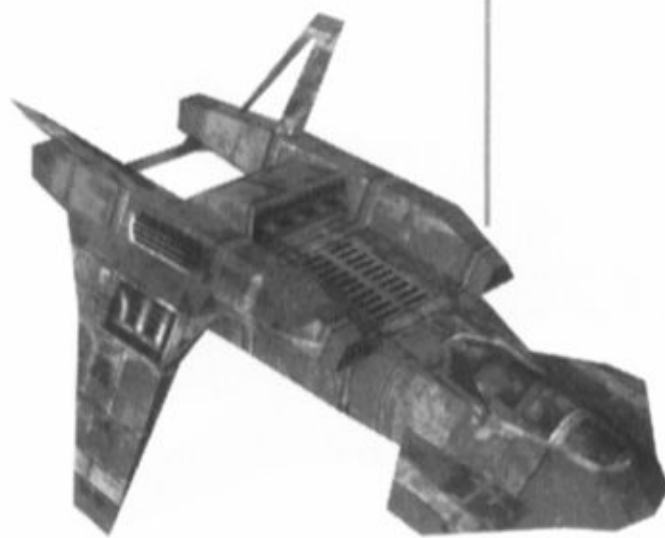


SKECIS Mk II Medium Fighter PL3a

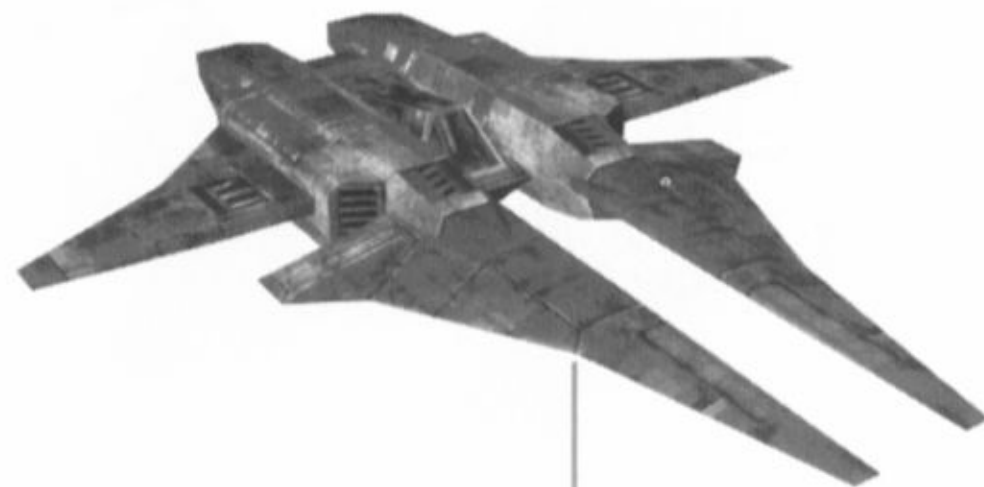
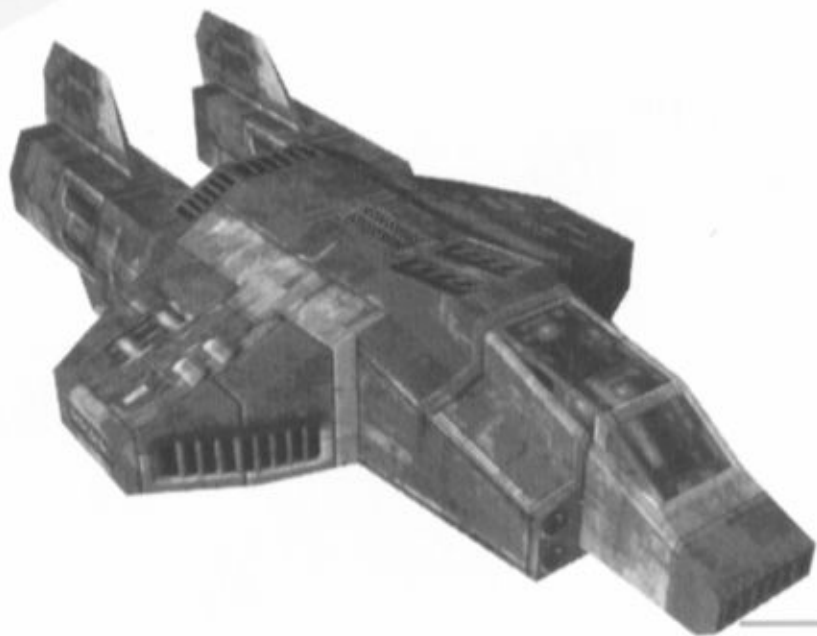
Modules: 4 Missiles: 5 Guns: 3 Performance: Average Strength: Medium

KALRECHI Medium Fighter PL04

Modules: 6 Missiles: 4 Guns: 4 Performance: Good Strength: High



PLAYER SHIPS



HERETIC Medium Fighter ML02

Modules: 5 Missiles: 6 Guns: 4 Performance: Good Strength: Medium

KARNENAN Heavy Fighter PR03

Modules: 5 Missiles: 5 Guns: 4 Performance: Average Strength: High

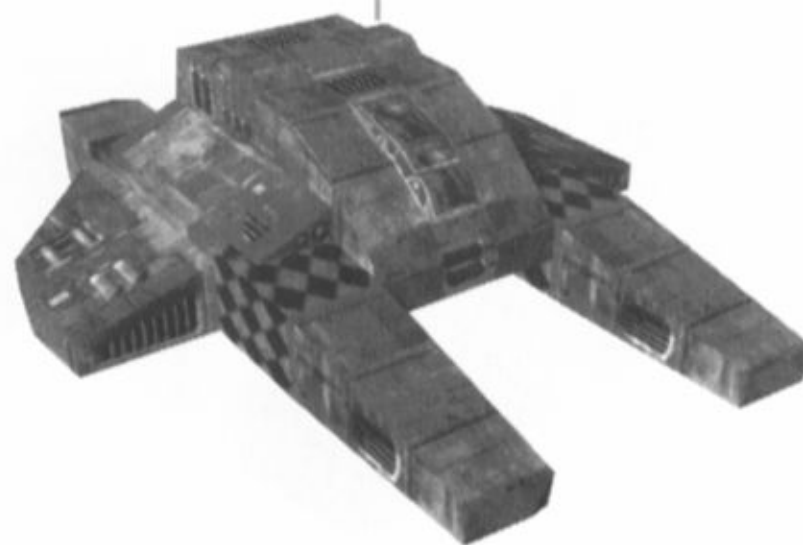
ICARUS Heavy Fighter PR05

Modules: 5 Missiles: 6 Guns: 4 Performance: Good Strength: High



FREIJ Heavy Fighter ML06

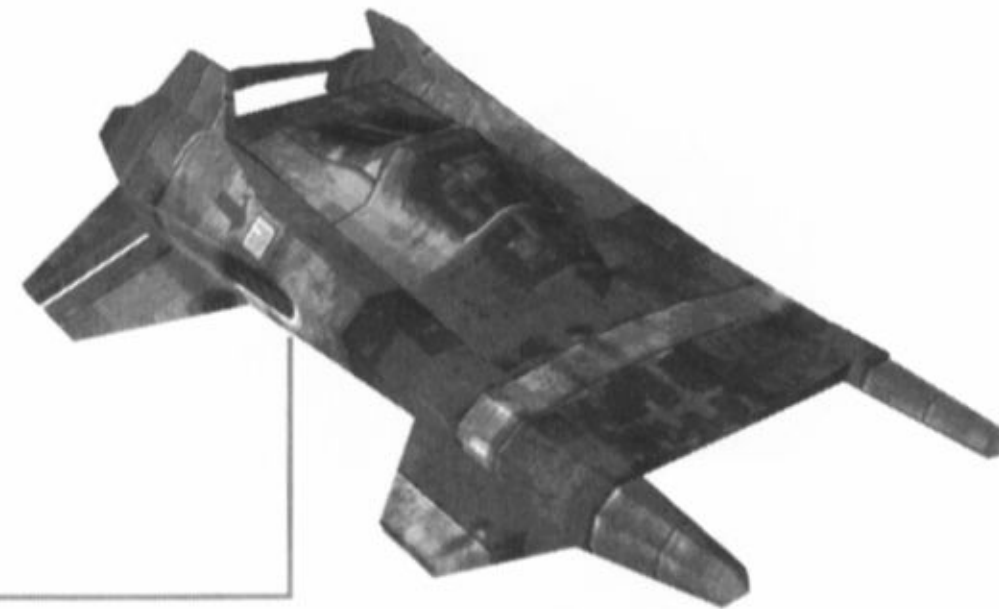
Modules: 7 Missiles: 7 Guns: 4 Performance: Good Strength: High





FREIJ MK II Prototype Fighter ML6a

Modules: 7 Missiles: 7 Guns: 5 Performance: Excellent Strength: High



DANRIK Heavy Fighter KN02

Modules: 7 Missiles: 7 Guns: 5 Performance: Good Strength: High

FALDARI Heavy Fighter MLO3

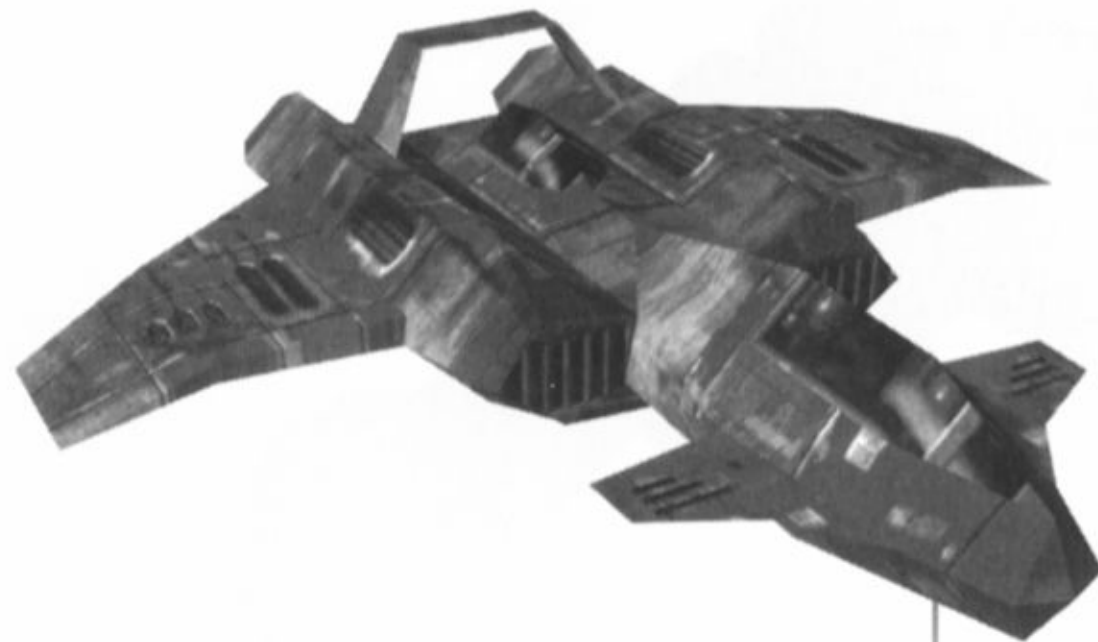
Modules: 6 Missiles: 6 Guns: 5 Performance: Good Strength: High

FALDARI Mk II Heavy Fighter ML3A

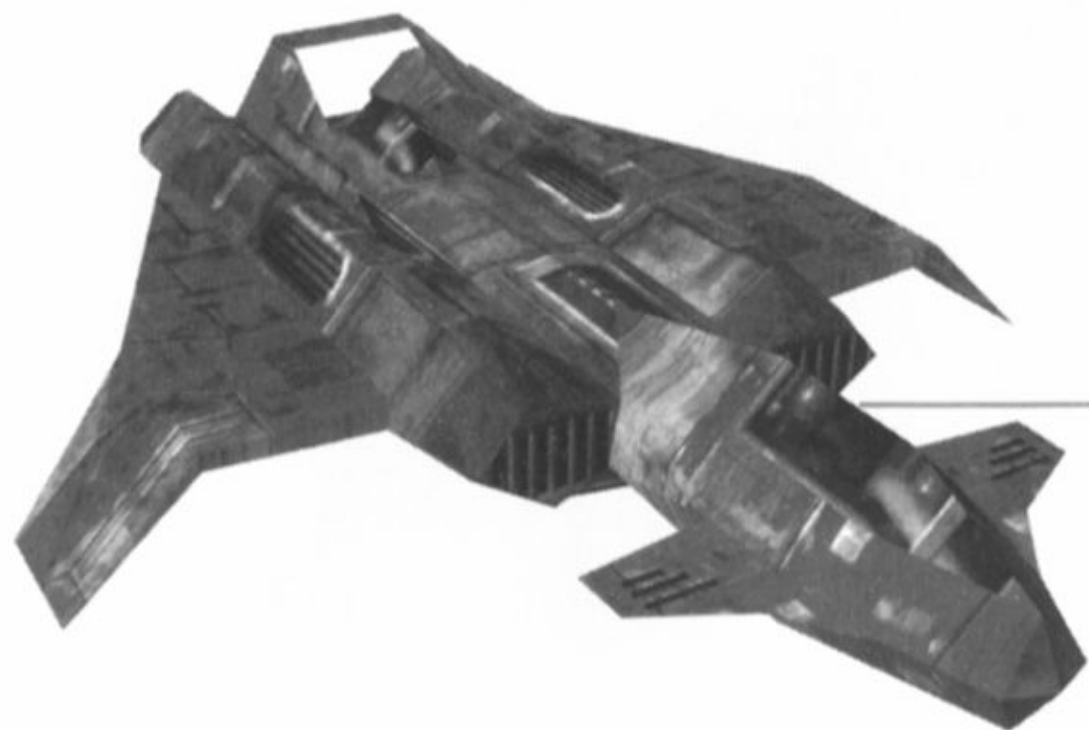
Modules: 6 Missiles: 6 Guns: 4 Performance: Good Strength: High



CARGO SHIPS



GEA TRANSIT Light CR01
Turrets: 0 Performance: High Strength: Low



GEA TRANSIT Mk II Medium CR1a
Turrets: 0 Performance: High Strength: Low

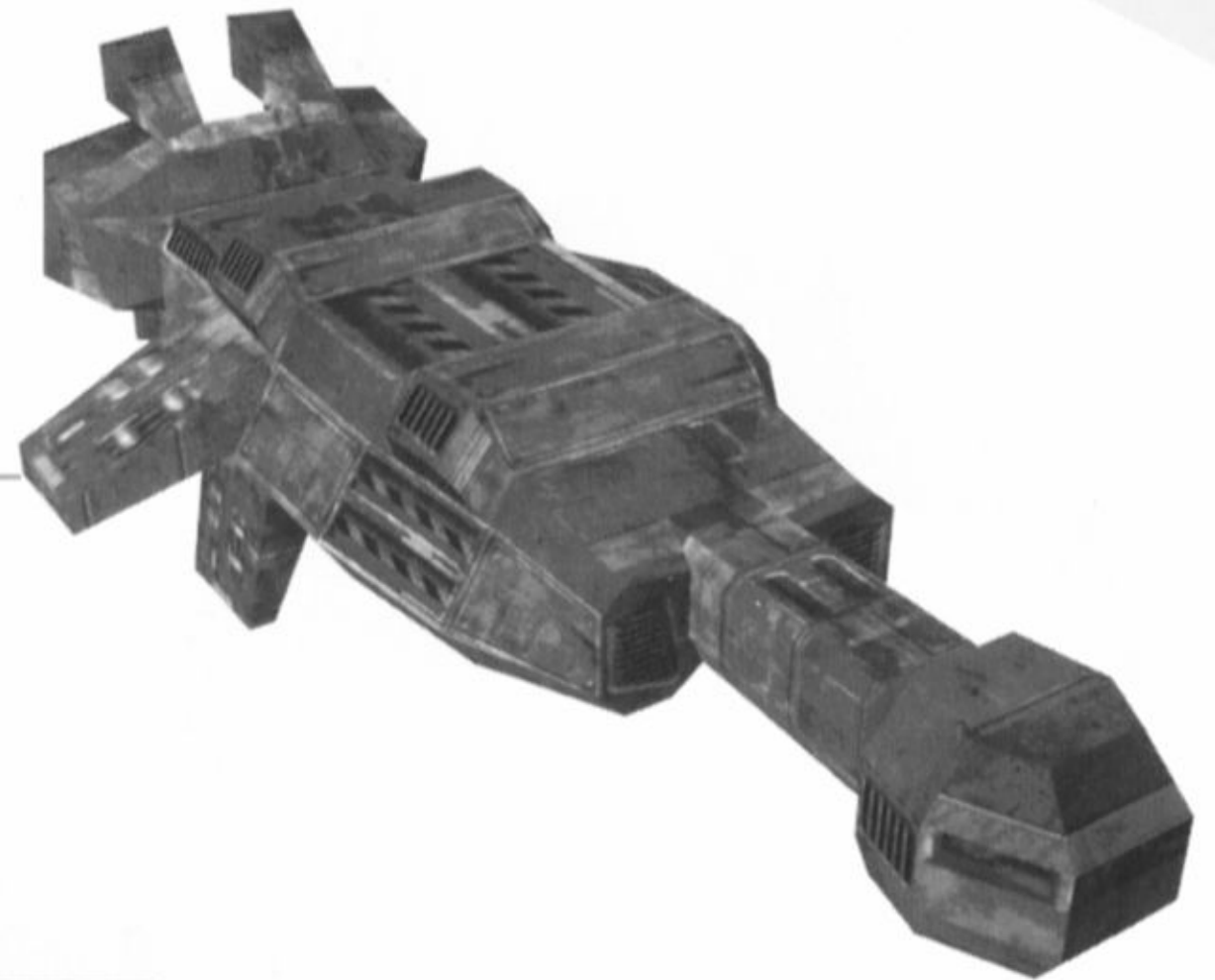


OGAN Heavy CR02
Turrets: 1 Performance: Medium Strength: Medium



ILIA Super Heavy CR03

Turrets: 2 Performance: Average Strength: Medium



ILIA Mk II Cargo Carrier CR3a

Turrets: 2 Performance: Low Strength: High

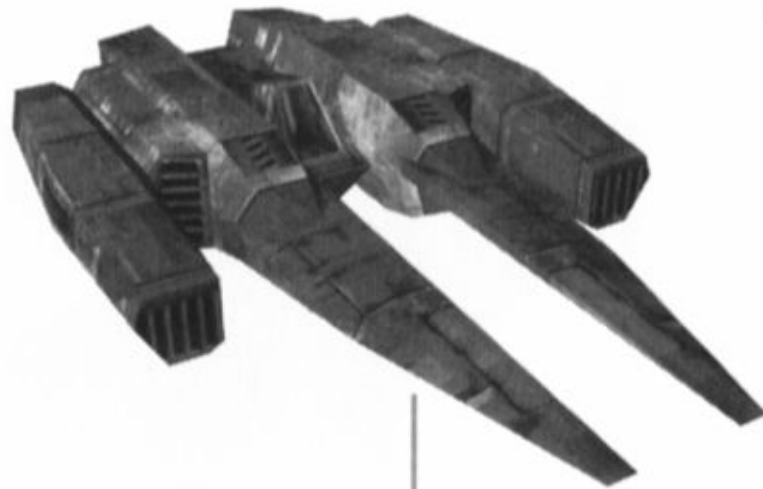
MONOLITH C+C+ Turrets CR04

Turrets: 3 Performance: Poor Strength: High



MILITARY SHIPS

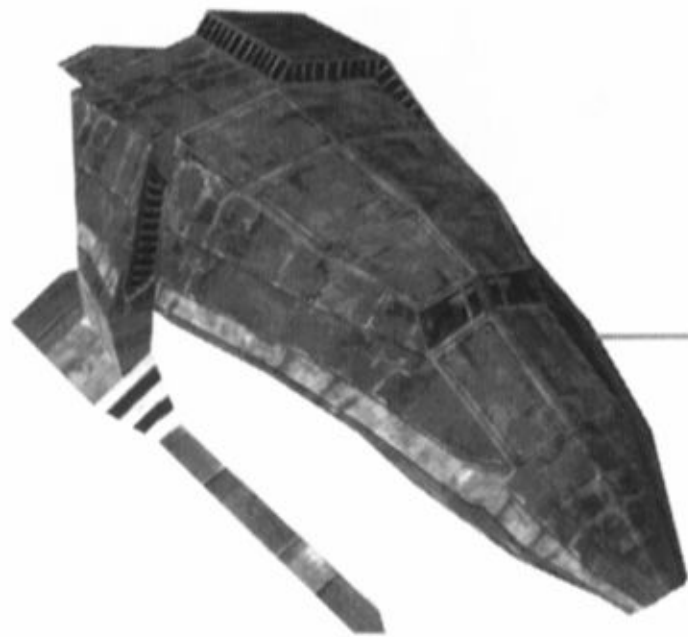
(SPECIFICATIONS CLASSIFIED)



Light Fighter ML1b



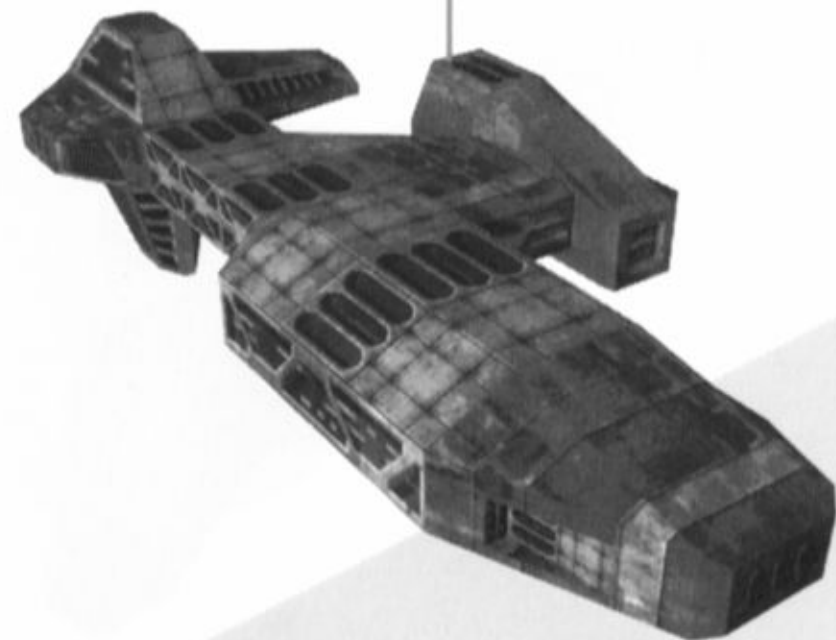
Medium Fighter ML2b



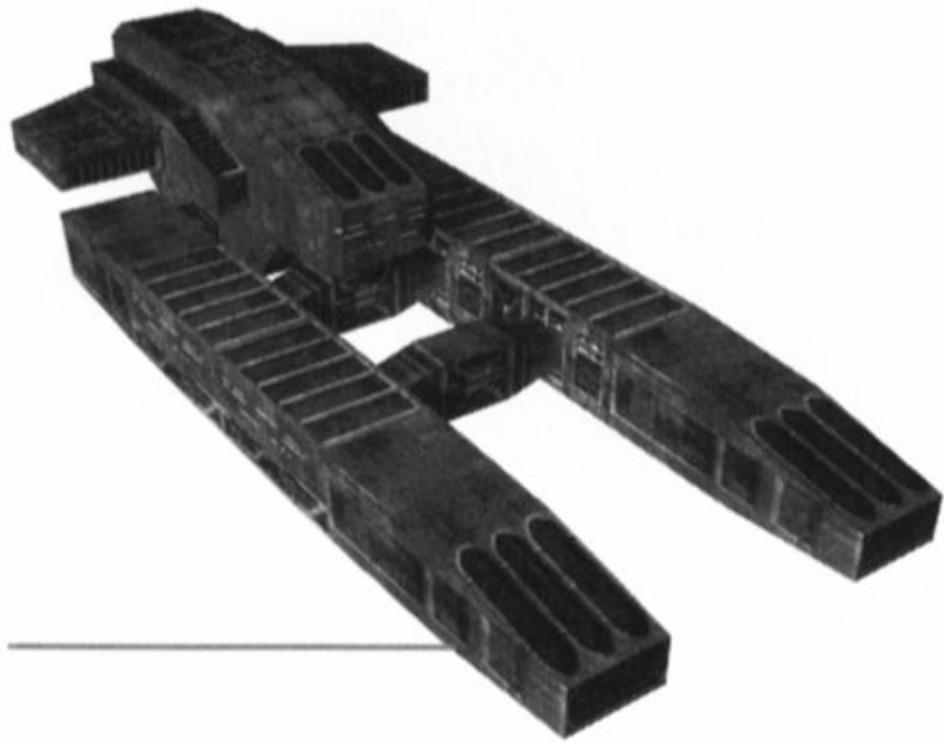
Heavy Fighter ML3b



Heavy Fighter ML4X



Destroyer Ship ML4D

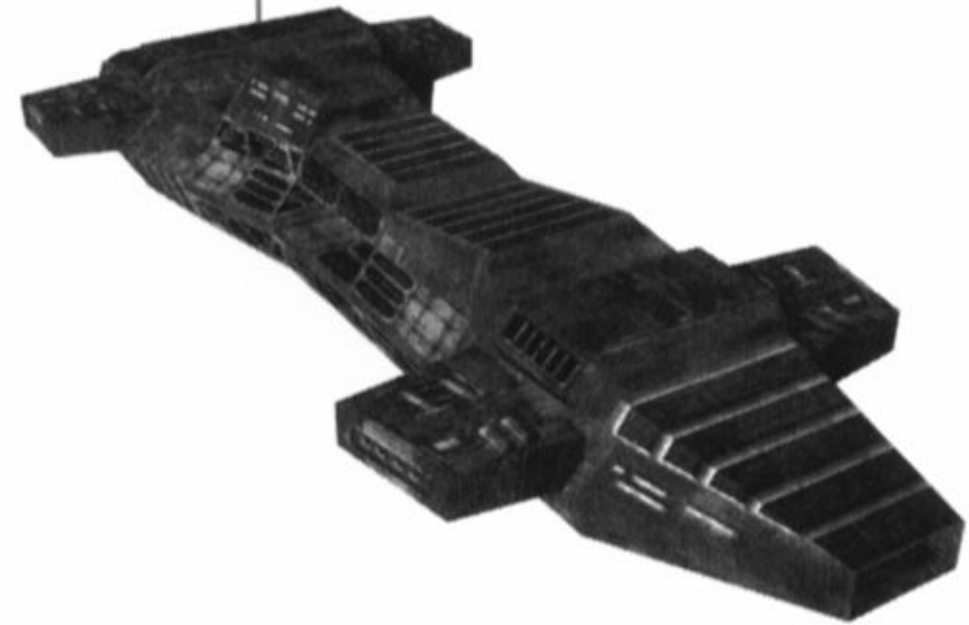


Carrier Ship MCOS

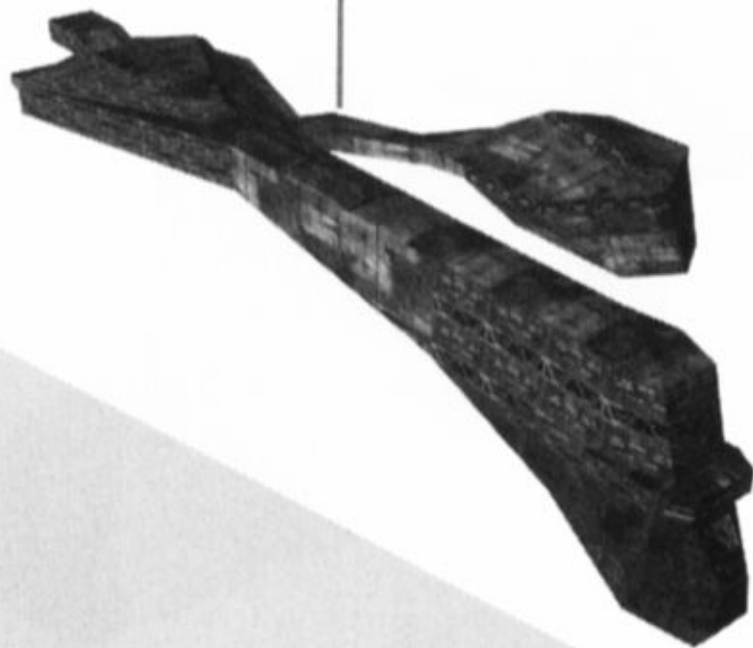


Dreadnought MDRE

Military Transport CCTb

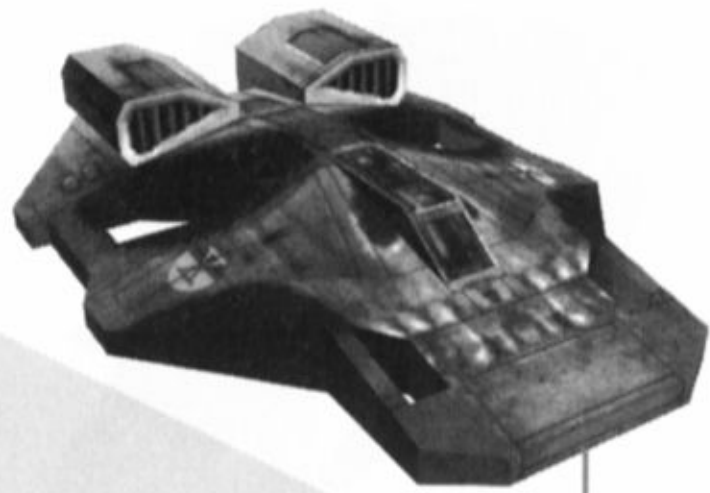


Prototype Ship MCPH



PIRATE SHIPS

JINCILLA CLAN, (ORANGE)
(SPECIFICATIONS UNKNOWN)



SKULL Light Fighter SKUL



VELDOR Medium Fighter ML05

TACON Heavy Fighter PRHa



SHUTTLE SH1a

CRUISER PR6a

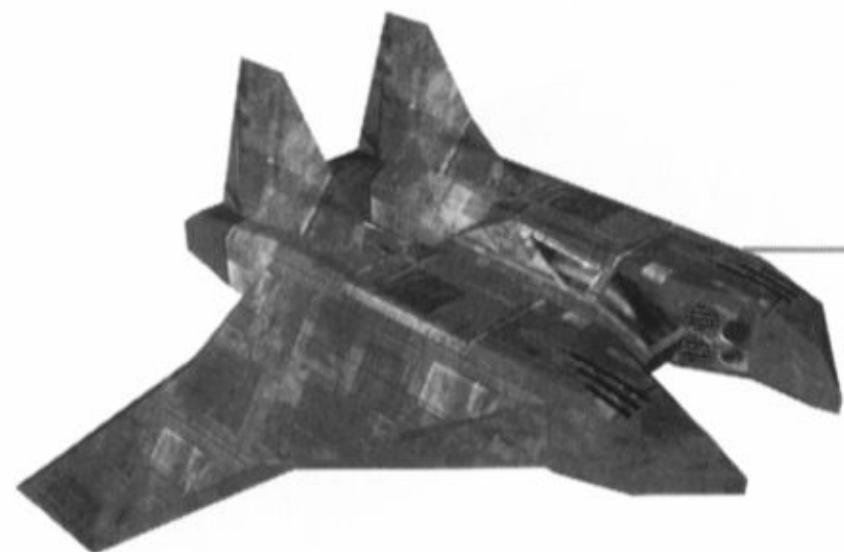


KIOWAN CLAN, (RED)
(SPECIFICATIONS
UNKNOWN)



VECTOR Light Fighter PLM2

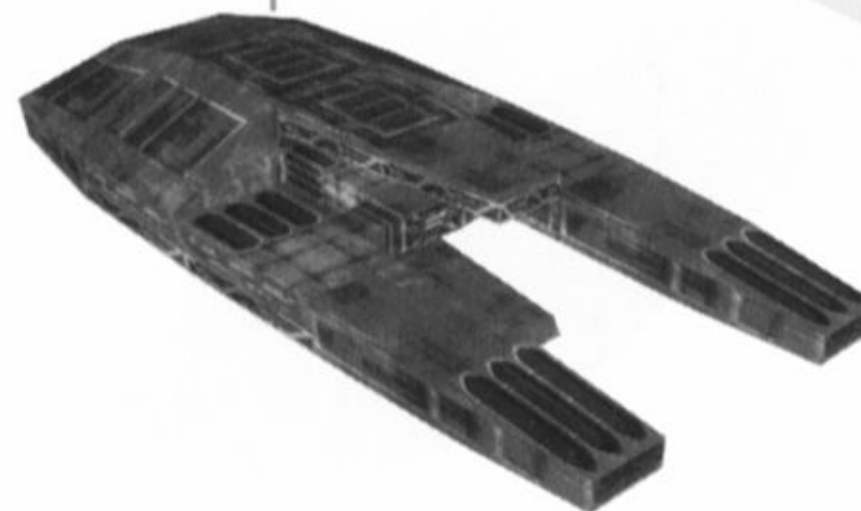
LEIGHAT Medium Fighter MLA5



KRELL Heavy Fighter PRHb

SHUTTLE SH1b

CRUISER CR2a



PIRATE SHIPS

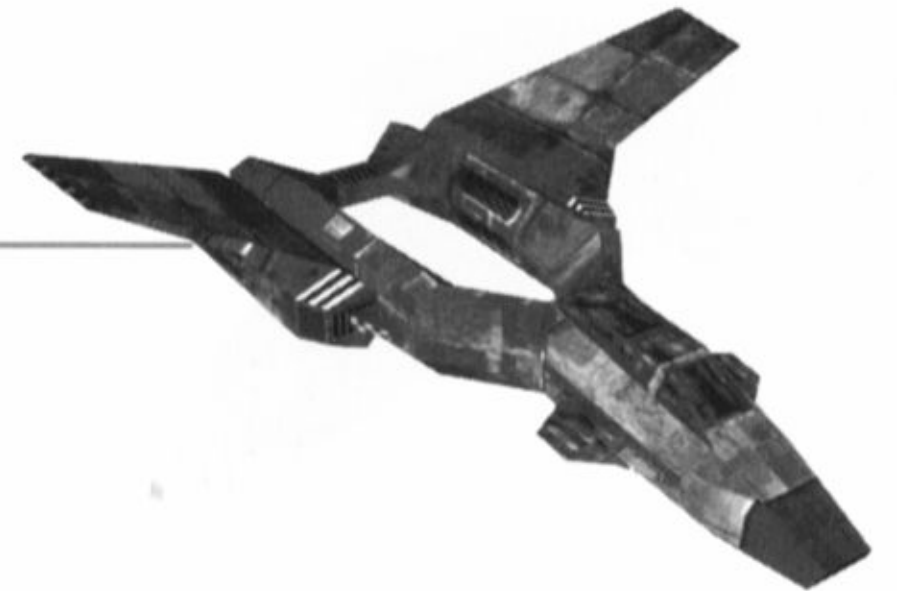
CHIRICHAN CLAN, (YELLOW)
(SPECIFICATIONS UNKNOWN)



DEMON Light Fighter PLM3



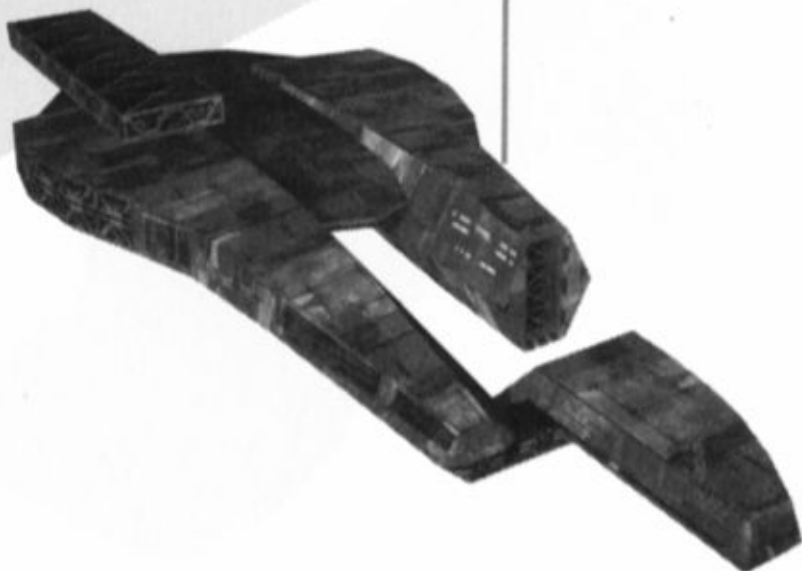
HERON Medium Fighter ML04



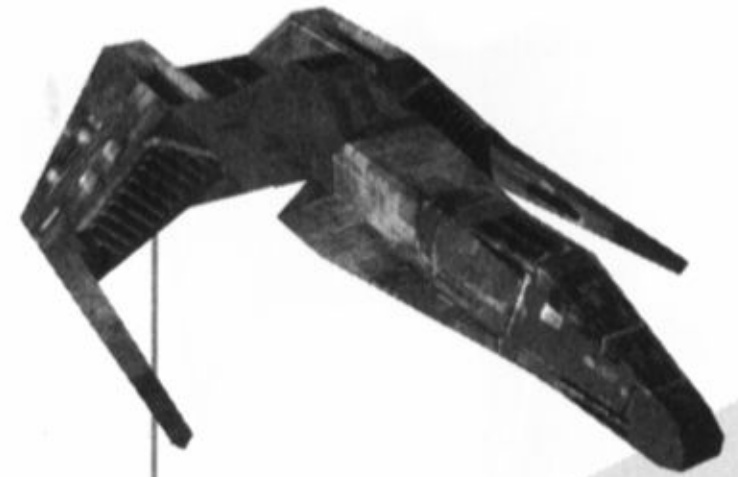
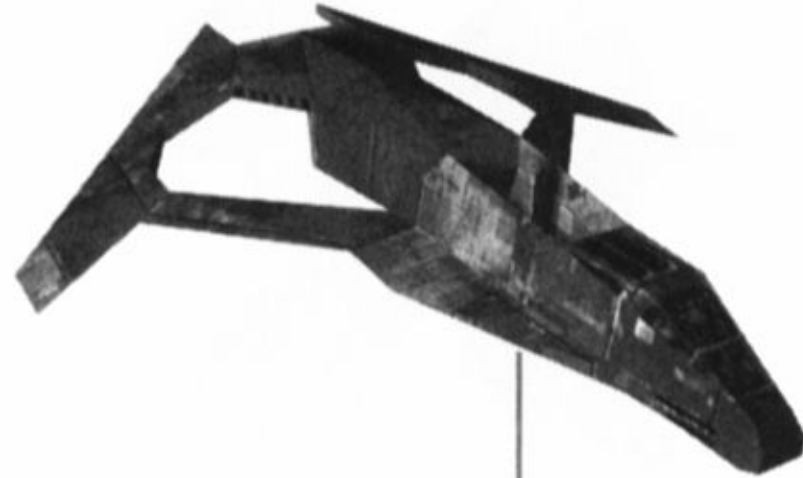
TESTMOS Heavy Fighter PR2a

SHUTTLE SH2a

CRUISER CR2b



PAPAGOD, (BROWN)
(SPECIFICATIONS
UNKNOWN)



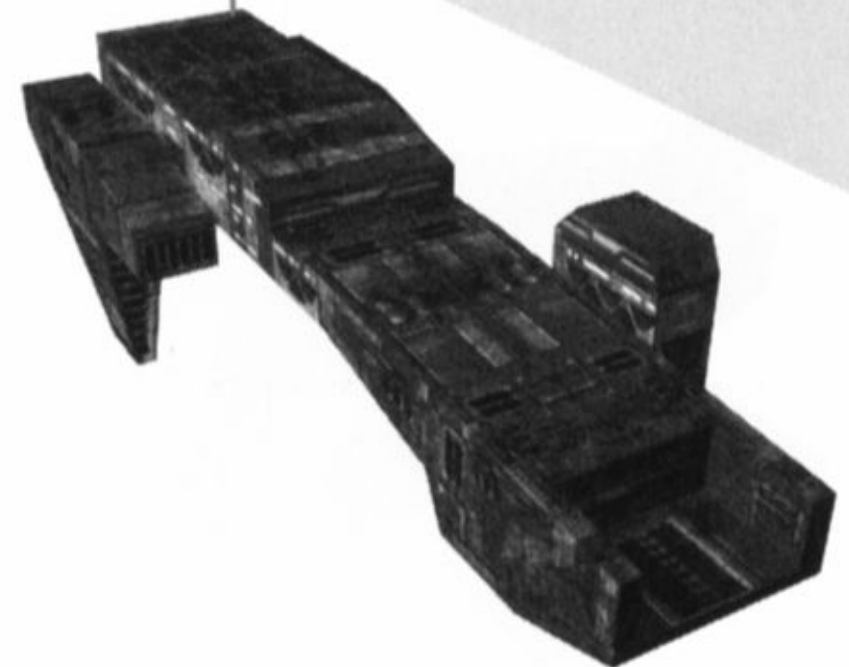
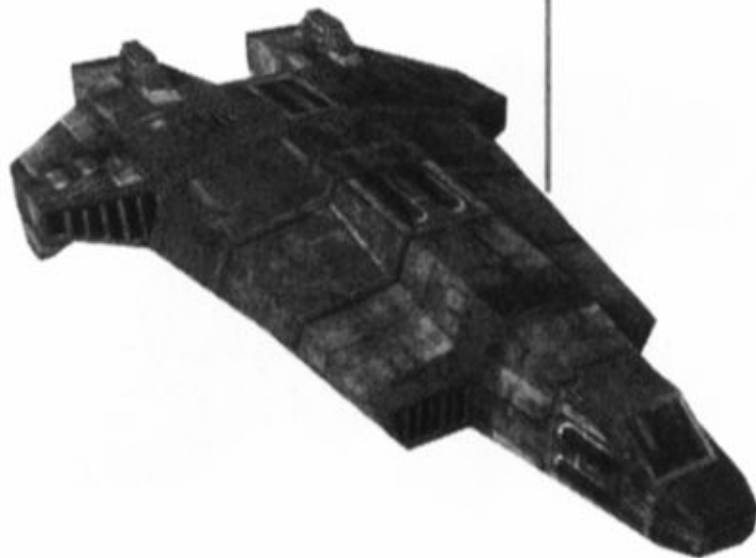
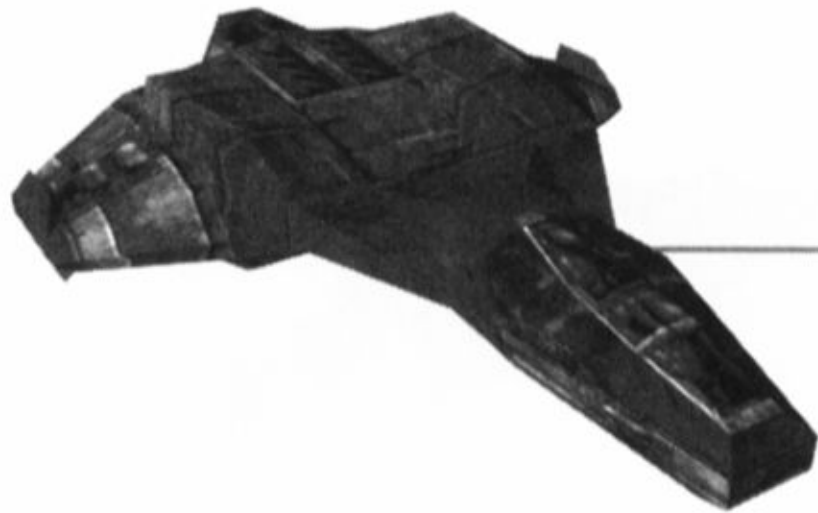
TEMBLER Light Fighter PLM4

ECANTONA Medium Fighter PR2b

ASHEARER Heavy Fighter ML4b

SHUTTLE SH2b

CRUISER PR06



KINDRED SHIPS

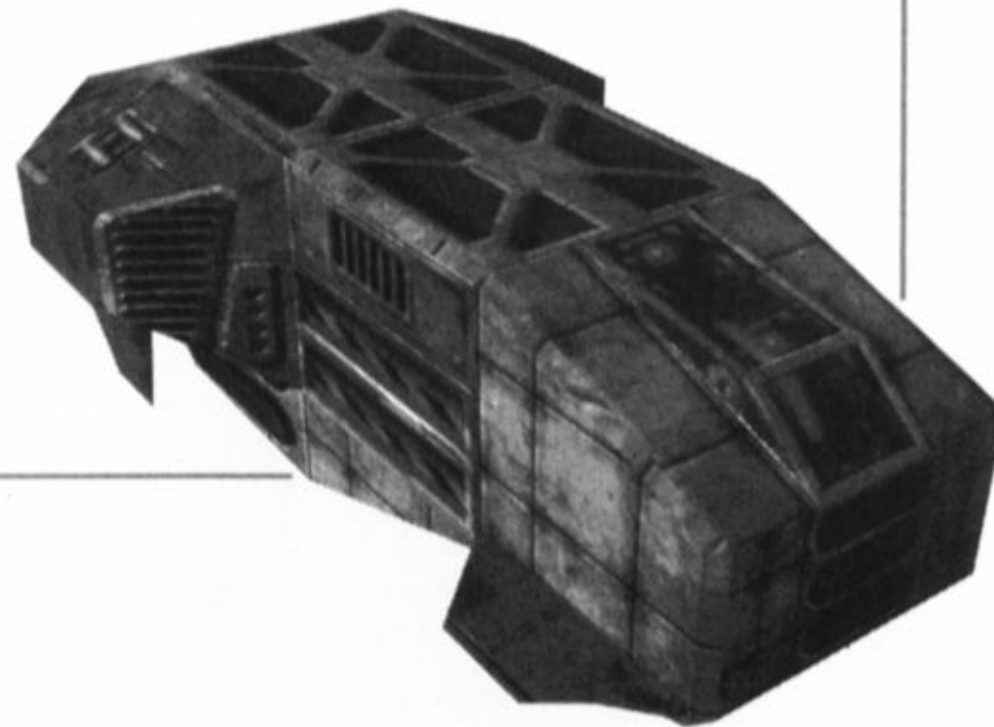
(SPECIFICATIONS UNKNOWN)



VENDETTA Light Fighter KN1b



BLADE Heavy Fighter PL4b



TRANSPORT TRAN

NEUTRAL SHIP

EQUIPMENT

MISSILES

Snipe SNIP

Basic missile, cheap and cheerful. Effective against less able pilots and smaller ships.

Brute MK I BRUT

Carries more power and is more manoeuvrable than the Snipe. As the name suggests, this missile means business.

Brute MK II BRU2

It takes longer to lock on, but its more powerful than the Mk I and gets to its target faster.

Python PYTH

A high-powered missile with a very long range. It is extremely quick and very manoeuvrable. You can't escape this one with ease.

Disrupter DISR

This cunning missile shuts down its target's electrical systems on impact, leaving the target open for attack.

Banshee BANS

Also known as the 'shield destroyer', this deadly weapon speaks for itself. Use this, and the enemy is left with very little shield defence.

Proximity PROX

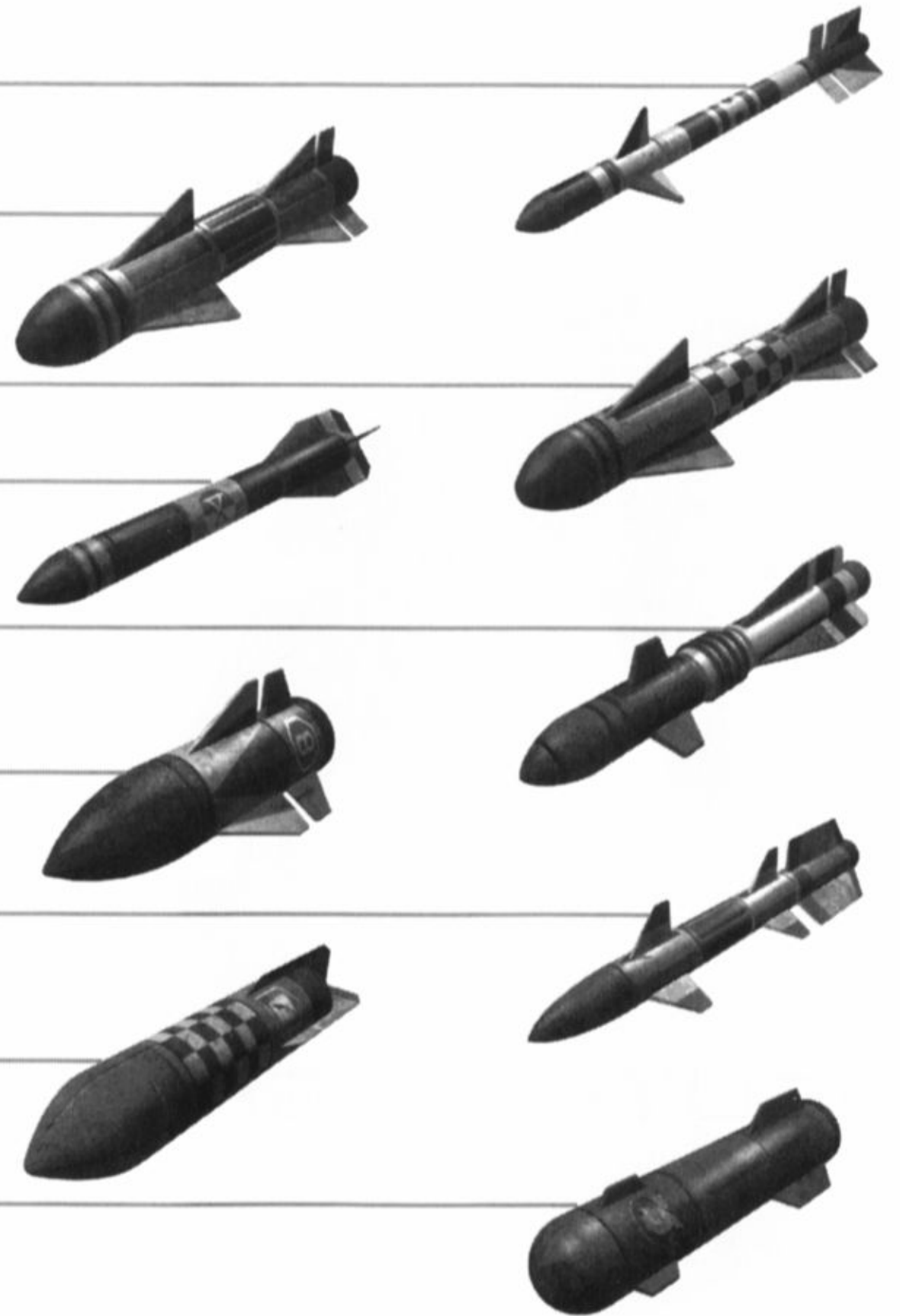
This is a powerful missile. Not singling out any one ship, it kills indiscriminately. Anything within range will get a taste of its power.

Stingray Torpedo STIN

A heavy torpedo, designed to cause extensive damage to whatever it hits. Not even capital ships are safe.

Hellraiser Torpedo HELL

A huge torpedo, packed with explosives. It has a relatively low speed, but enormous explosive capability.



EQUIPMENT

GUNS

Stream Laser **STRE**

Although this is a fairly standard laser, it regenerates quickly, and is useful against all but the largest ships.

Volt Laser **VOLT**

Consisting of bolts of accelerated electron chains, this is a more powerful weapon than the Stream Laser. Efficient and effective in close combat.

Flux Beam **FLUX**

The first of the serious big guns. It is high-powered and causes major damage, due to its high capacity trifluxoid generators.

Flux Beam MK II **FLX2**

The updated model, boasting more rapid laser fire and even greater damage to enemies.

Stream Laser MK II **STR2**

Seriously upgraded from the Mk I version, this is not a weapon to be taken lightly. It is truly devastating.

Mass Ion Cannon **MIOC**

Non-laser firing. Rapidly projects dense ionic charges. Very quick firing and doesn't overheat. Causes high damage, due to rapid fire.

Kraven Laser MK IV **KRAV**

The mother of all lasers. This is an incredibly powerful laser, for taking care of the nasty things in life.

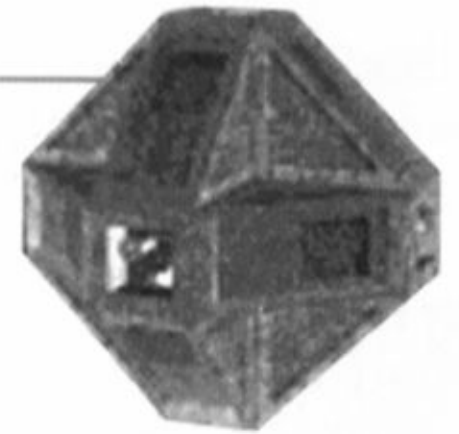


EQUIPMENT

MINES AND DECOYS

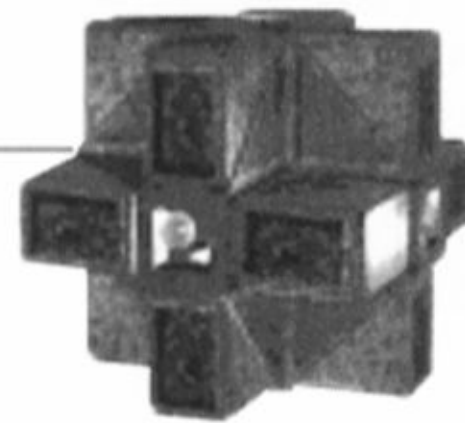
Hi-Ex Mines MIN1

Launcher contains 10 mines. High-explosive mines, useful when being chased...watch 'em blow.



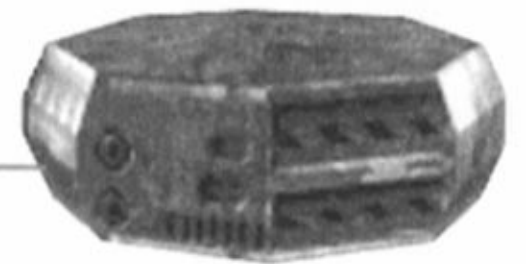
Proximity Mines MIN2

Launcher contains 10 mines. Multi-damage action. These bundles of joy detonate on contact, and cause a large area of damage.



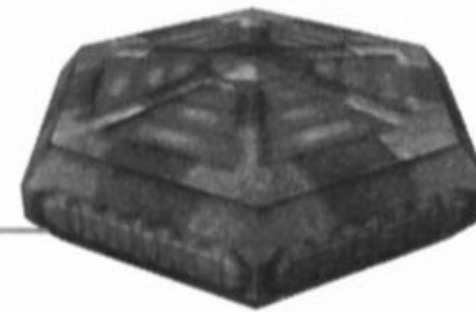
Viral Mines MIN3

Launcher contains 10 mines. Activate in the vicinity of ships. Shuts them down completely for 5 to 10 seconds.



Decoys MK I DEC1

Launcher contains 15 decoys mines. Used to decoy missiles that are in flight to a targeted ship. Has a 50% success rate.

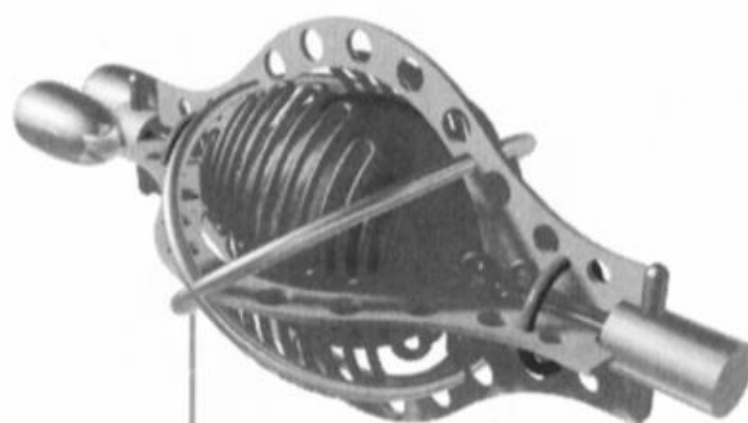


Decoys MK II DEC2

Launcher contains 15 decoys mines. The same as MK I, but with an 75% chance of fooling the missile.



EQUIPMENT MODULES



Coolant Unit MK I CUL1

Do your lasers start to melt in the heat of battle? This coolant unit helps your lasers to dissipate heat. Cooling process increased by 30%.

Coolant Unit MK II CUL2

For the pilot whose finger is permanently on that trigger, this improved system will increase your lasers' Cooling process by 50%.

Coolant Unit MK III CUL3

For those days when they just don't stop coming, this baby will keep your lasers pumping. Cooling process increased by 110%.

Coolant Unit MK IV CUL4

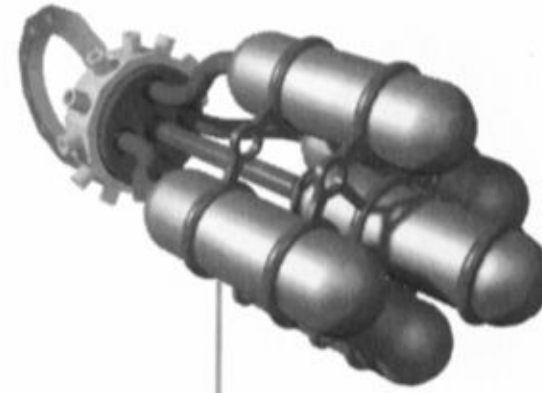
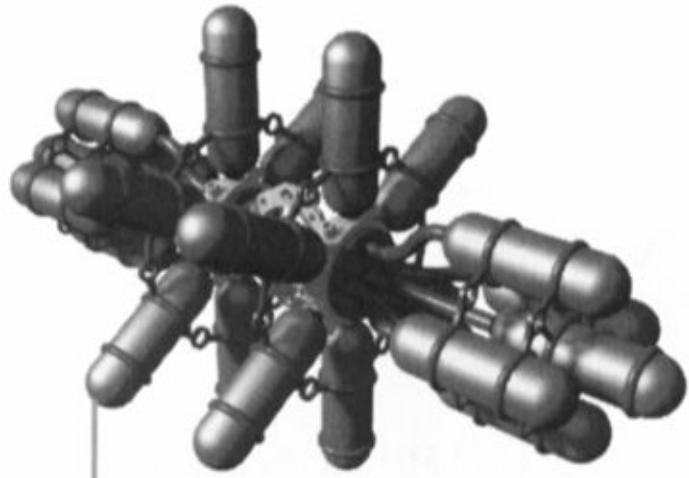
The more pirates the better- this super cooled unit is the top of the line. Cooling process increased by 150%.

Auto Repair Unit MK I ARU1

This unit will repair any damage that you incur on your ship. It may be slow, but it works in flight, so you don't need to stop. Cannot repair armour.



EQUIPMENT MODULES



Warp Shields WARP

For those sticky situations, this unit will provide a powerful protective shield for a limited time period only.

Afterburner Enhancers MK I AEM1

This addition to your rear will give you a bit more poke when the afterburners kick in. Increases afterburner acceleration and top speed by 10%.

Afterburner Enhancers MK II AEM2

If your afterburners lack that extra boost that you dream of, then this enhancement will sort you out a treat. Increases afterburner acceleration and top speed by 20%.

Afterburner Enhancers MK III AEM3

The ultimate in engine upgrades, the MK III increases afterburner power by 30% for both acceleration and top speed.

Auto Repair Unit MK II ARU2

This unit is hot off the conveyor belt. It has all the features of its predecessor, but performs its tasks at a much faster rate. Cannot repair armour.



EQUIPMENT MODULES



Shield Enhancer MK I SEM1

Shields usually take a good pounding. This device will increase their regeneration rate by 50%, saving your ship unnecessary damage.



Shield Enhancer MK II SEM2

The Mk II enhancer will help to protect your ship even more quickly, after attack, by increasing shield regeneration rate by 75%.



Shield Enhancer MK III SEM3

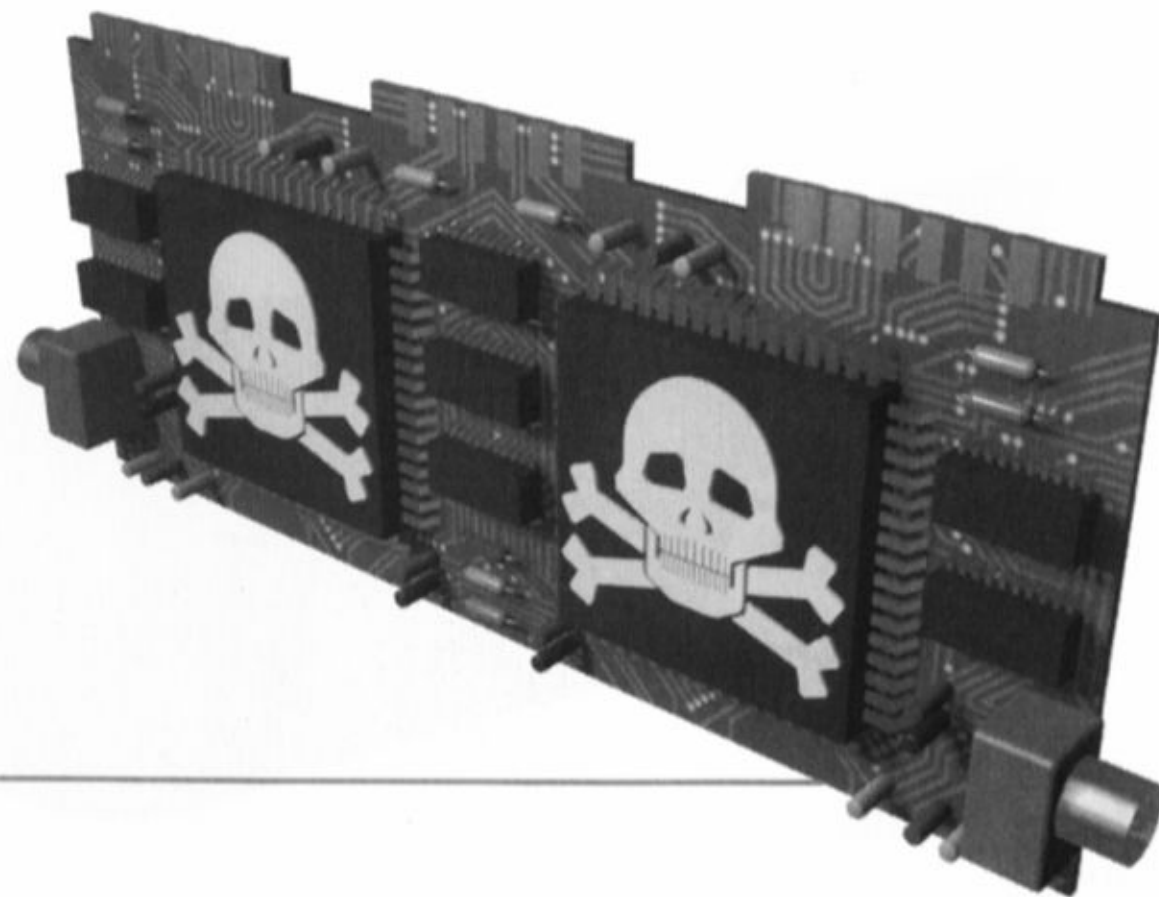
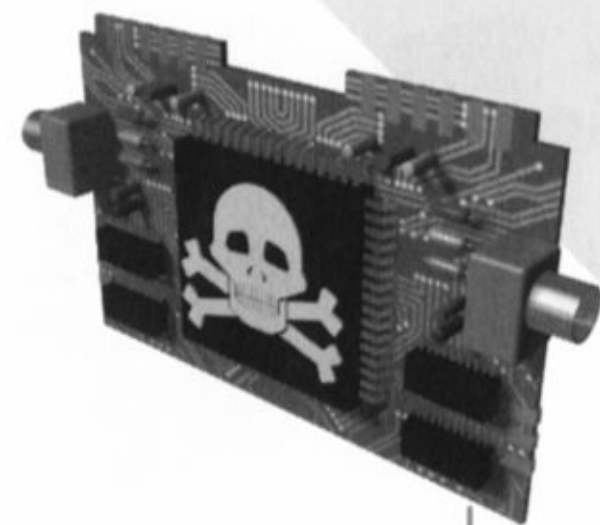
This provides you with the fastest shield regeneration in the system. If you take a hit, you'll be back to full strength in no time. Increases regeneration rate by 100%.

BSE Virus Transmitter MK I BSE1

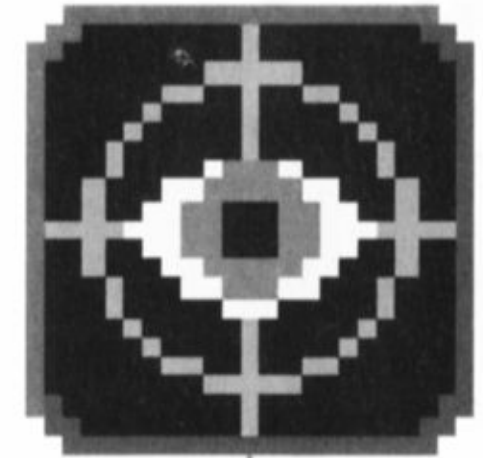
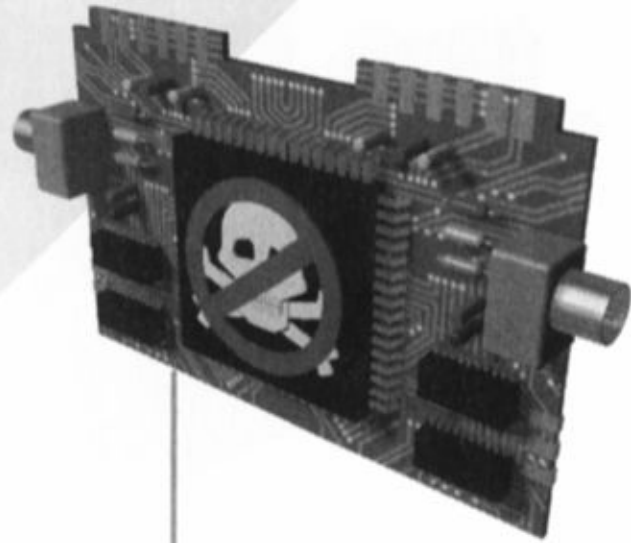
Binary Sickness Emission System. A computer virus that is transmitted along with the ship ID signal. Momentarily disables your enemy.

BSE Virus Transmitter MK II BSE2

A computer virus that is transmitted along with the ship ID signal. Has a greater chance of shutting your enemy down for a while.



EQUIPMENT MODULES

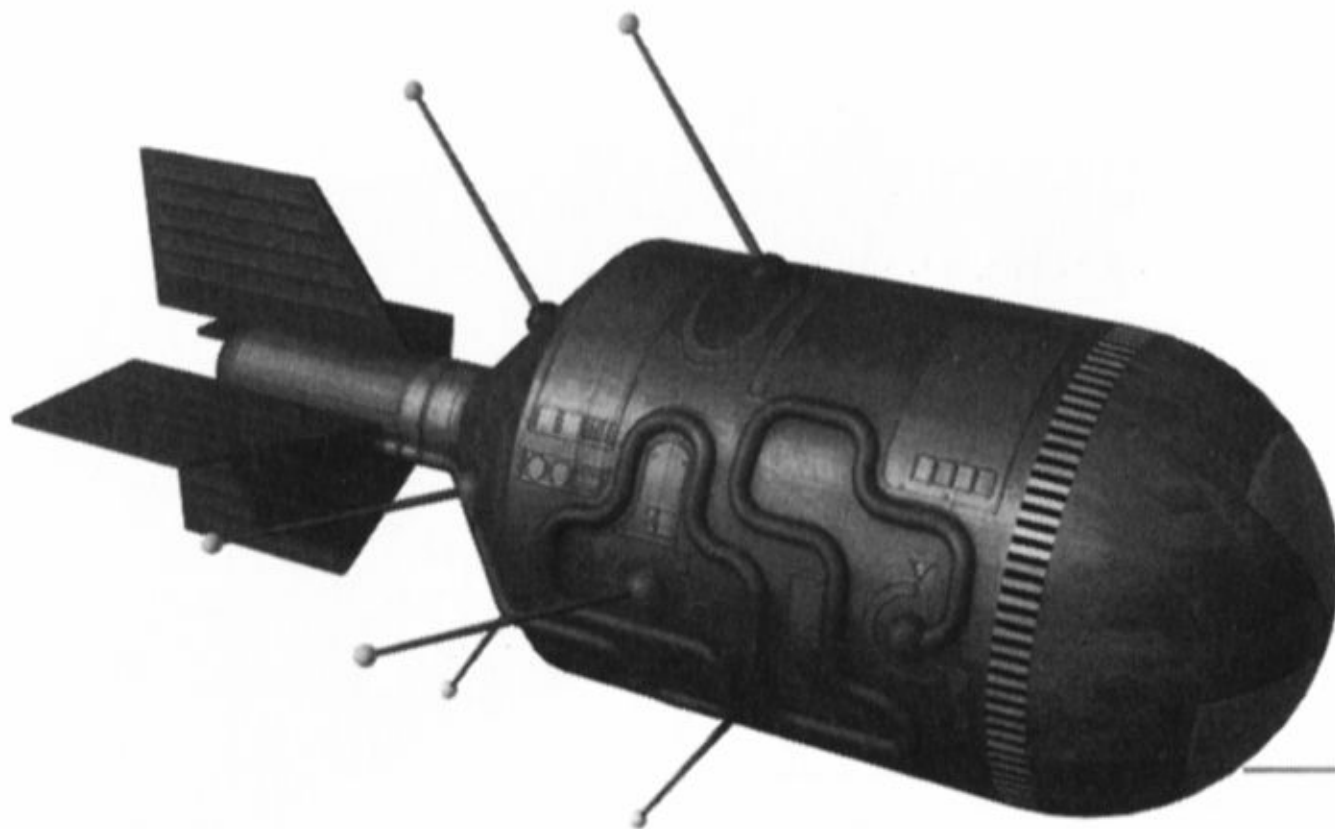


Blindfire Targeting BLFI
This illuminates the target finder when guns are aimed accurately, effectively telling the pilot when to shoot.

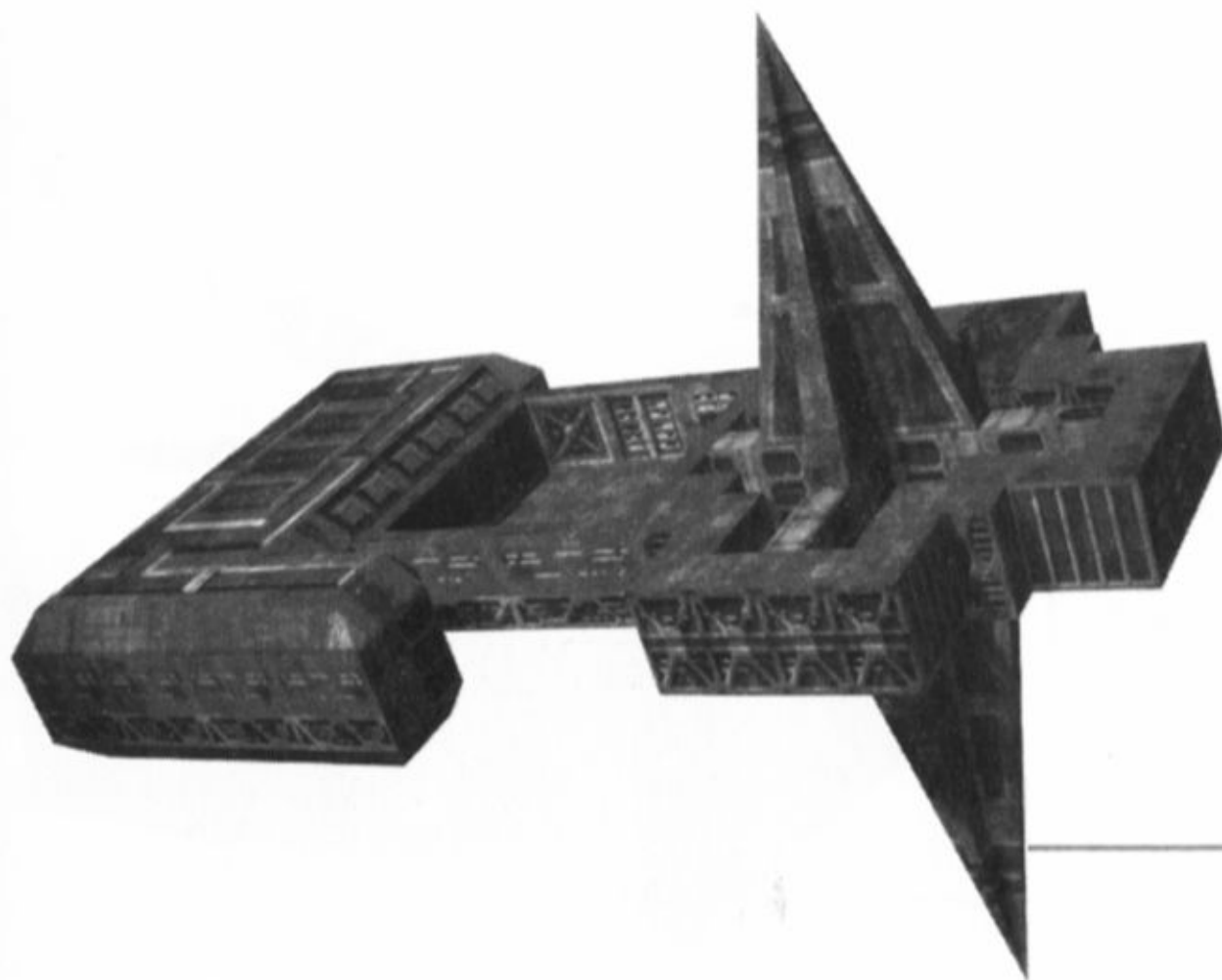
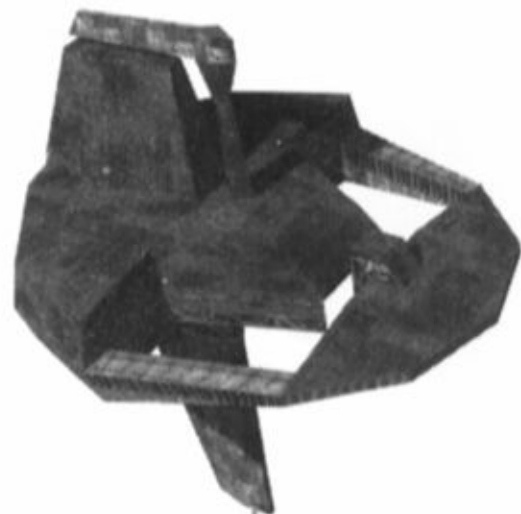
Return to Sender Anti-Missile System RTS
When you're targeted by a missile, this system gives you a percentage chance of re-targeting it at the person who launched it.

Signal Filter VFLT
An advanced immune system. If you don't want to be affected by a virus, then this is what you need. It blocks almost all known viruses with a 50% chance of success.

Nuke'em NUKM
This is a smart bomb. If you use this beast, all small ships in a specific local vicinity will be destroyed, as well as causing a lot of damage to larger ships.



FIXTURES



Super Station SUPE
Repair your ship, buy equipment or trade commodities at this self-contained Super Station.

Commodity Station COMM
Need to move some goods fast without going planetside? These outposts are the place for you.

Equipment Station EQUI
Right out of instruments of destruction? No problem, get some more at these 'Mayhem Mega Markets'.

Laboratories LBTY
Many of these may be found dotted around space, mainly supplying companies and institutions with vital zero-gravity research.

Repair Station REPA
Taken some flak? Make it better at one of the many repair stations found around the systems.



Kappa Labs KAPP

An outpost of the giant Hephaestan scientific research conglomerate KBRG, Kappa Labs was built for the testing of life support and other spacecraft systems in a near-vacuum environment.

Navigation Buoy NVPT

Marking all the main routes across the Tri-System, these fixed transmitters allow spacecraft to quickly navigate the space lanes.

Chirichan Pirate Station PIR2

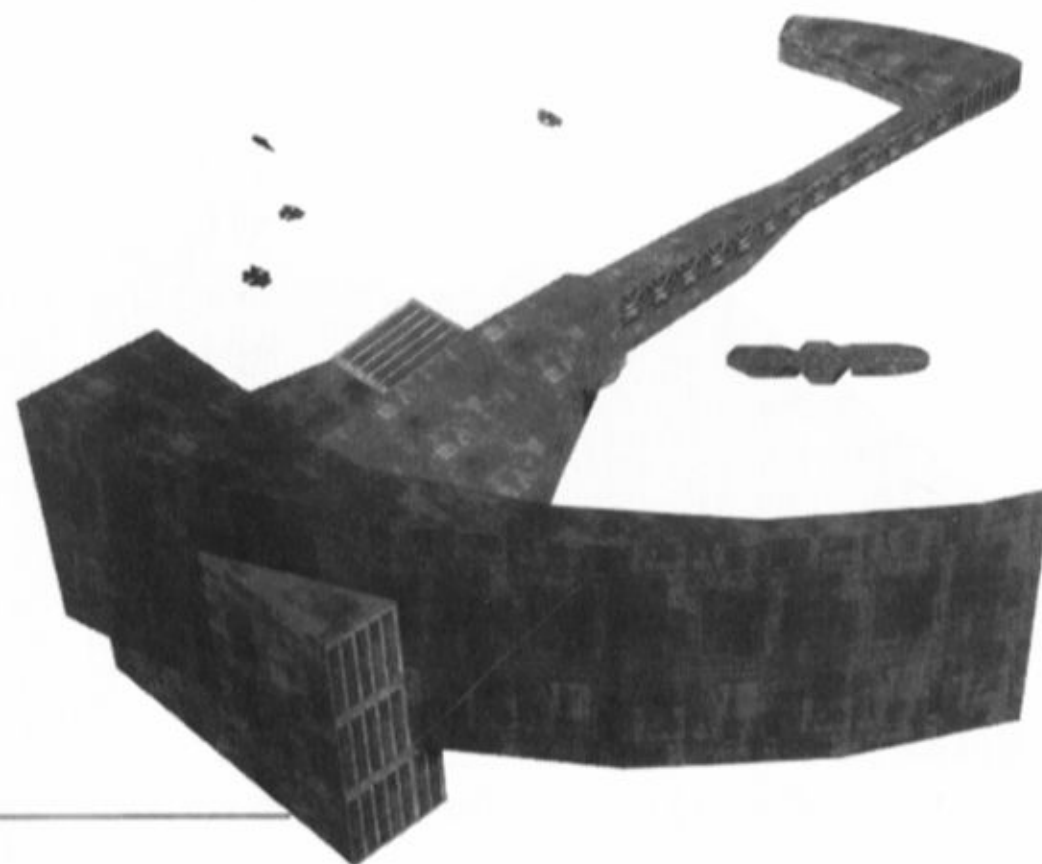
Basically a group of fairly lightweight career criminals, they favour computer hacking and fraud as opposed to violent robbery and assault. However, do not be fooled; this base is armed with the latest state-of-the-art auto-sentry technology.

Jump Gate JUMG

Creating artificial wormholes in space, these gates provide swift carriage between the three systems for a small toll fee.

Kiowan Pirate Station PIRA

Headquarters of the hideous Cybernetic pirate clan.



MISCELLANEOUS



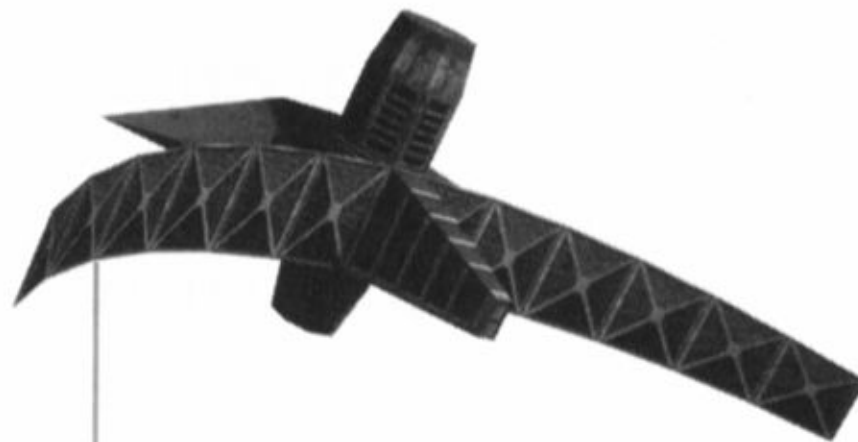
Laser Tower LASE

These deep space laser emplacements can be used by both neutral and hostile elements. Approach with extreme caution.



Spacesuit SPST

A rather antiquated device, the spacesuit is still useful when carrying out repairs or trying to enter a ship covertly. A bit cold and very risky.

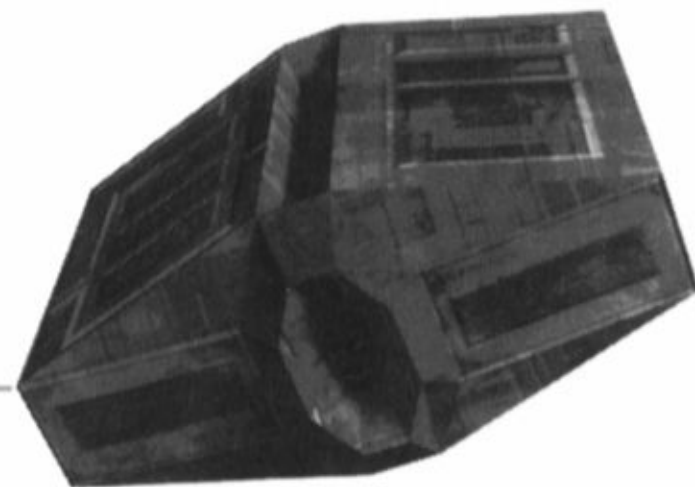


Satellite SATE

Predominantly used for communication purposes, a pilot must be constantly aware of these structures to avoid nasty and often fatal collisions.

Escape Pod ESCA

Only used in extreme situations, these unarmed capsules will keep a human alive for a few days until they are picked up. Most have communications systems, but no propellant device.



NOTICE

ELECTRONIC ARTS RESERVES THE RIGHT TO MAKE IMPROVEMENTS IN THIS PRODUCT DESCRIBED IN THIS MANUAL AT ANY TIME AND WITHOUT NOTICE.

THIS MANUAL, AND THE SOFTWARE DESCRIBED IN THIS MANUAL, IS UNDER COPYRIGHT. ALL RIGHTS ARE RESERVED. NO PART OF THIS MANUAL OR THE DESCRIBED SOFTWARE MAY BE COPIED, REPRODUCED, TRANSLATED OR REDUCED TO ANY ELECTRONIC MEDIUM OR MACHINE-READABLE FORM WITHOUT THE PRIOR WRITTEN CONSENT OF ELECTRONIC ARTS LIMITED, PO BOX 835, SLOUGH, BERKS, SL3 8XP, ENGLAND.

ELECTRONIC ARTS MAKES NO WARRANTIES, CONDITIONS OR REPRESENTATIONS EXPRESS OR IMPLIED, WITH RESPECT TO THIS MANUAL, ITS QUALITY, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. THIS MANUAL IS PROVIDED "AS IS". ELECTRONIC ARTS MAKES CERTAIN LIMITED WARRANTIES WITH RESPECT TO THE SOFTWARE AND THE MEDIA FOR THE SOFTWARE. IN NO EVENT SHALL ELECTRONIC ARTS BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

THESE TERMS AND CONDITIONS DO NOT AFFECT OR PREJUDICE THE STATUTORY RIGHTS OF A PURCHASER IN ANY CASE WHERE A PURCHASER IS A CONSUMER ACQUIRING GOODS OTHERWISE THAN IN THE COURSE OF A BUSINESS.

LIMITED WARRANTY

Electronic Arts warrants to the original purchaser of this computer software product that the recording media on which the software programs are recorded will be free from defects in materials and workmanship for 90 days from the date of purchase. During such period defective media will be replaced if the original product is returned to Electronic Arts at the address on the rear of this document, together with a dated proof of purchase, a statement describing the defects, the faulty media and your return address.

This warranty is in addition to, and does not affect your statutory rights in any way.

This warranty does not apply to the software program themselves, which are provided "as is", nor does it apply to media which has been subject to misuse, damage or excessive wear.

RETURNS AFTER WARRANTY.

Electronic Arts will replace user-damaged media, current stocks allowing, if the original media is returned with a Eurocheque or postal order for £7.50 per CD, payable to Electronic Arts Ltd.

Please remember to include full details of the defect, your name, address and, where possible, a daytime telephone number where we can contact you.

Electronic Arts Customer Warranty
P.O. Box 835
Slough
SL3 8XU
UK.

CREDITS

Produced and Directed

Erin Roberts

Programmers

Game Programmer

3D Programmer

Game Programmer

Paul 'Yosser' Hughes
Brian 'Aqham' Marshall
Tony 'The Count' Stockton

Art & Design

D Artist & Game Object Designer

3D Artist & Software/Hardware Engineer

Graphic/Information Designer

3D Artist & Game Object Designer

Associate Game Designer

3D Artist & Game Object Designer

3D Artist/Animator

Original Game Direction & Office Manager

Art Director

Artist/Designer

3D Artist & Game Object Designer

Initial Main Plot Design

Initial Main Plot Design

Product Design Assistant

Product Design Assistant

EA Canada Tools Group

Chris Battson
Dan 'Starsky' Blackstone
Paul Chapman 'Stitch'
Michael P. Cottam
Lawrence 'Skeletor' Doyle
Nick 'Mushroom Head' Elms
Mark Goldsworthy 'The Master'
Nick 'Dr G' Goldsworthy
Adam 'Headfirst' Medhurst
Phillip Meller 'El Loco'
John Miles
Simon Elms
David Thomas
Darren 'Lurker' Tuckey
Julian 'Sickboy' Glover
Frank Barchard, Gerry Shaw,
Yggy King, Laurent Ancessi

Playtesting

Jonathan 'The Kid' Brain, Matt Price
Darren King, Darren Potter, Rob Charlish

Music and Sound

Film Score:

Composer:

Produced By:

In Game Music:

Interactive Sound:

Landing & Credit music:

Composer:

Produced by:

SFX&Dialogue:

Ray Shulman
Ray Shulman & Chris Nicholls
James Hannigan
Nick Laviers

James Hannigan
Chris Nicholls
Nick Laviers, Adele Kellett, Bill Lusty,
Chris Nicholls, Ashley Richardson

Documentation

Matthew Miles Griffiths, Paul Chapman,
Richard Johnston

Documentation Layout

Paul Chapman, Caroline Arthur

Marketing

Ann Williams

Translations

Carol Aggett, Petrina Wallace, Dominique Goy

Quality Assurance

Simon Romans, Richard Gallagher,
Simon Rance, Chris Chaplin

Production

Rachel Holman

Package Design

Paul Chapman, Caroline Arthur

Special thanks to

Lucy Baile, Patrick Bradshaw, Tamara Burke,
Alex Carloss, Andrea Griffiths, Peter Larsen,
Jason Lord, Annabel Roose, David Wilson

FILM CREDITS

1st Assistant Director:
2nd Assistant Director:
3rd Assistant Director:
Production Co-ordinator:
Production Assistant:
Production Accountant:
Assistant Accountants:
Trainee Assistant Directors:
Trainee Assistant Director/Drivers
Utility Stand-In:
Choreography:
Casting Assistant:

John Dodds
Mark Ingram
Zoe Moore
Lisa Parker
Richard Walker
John Sargent
Lara Sargent, Matthew O'Toole
Virginia Murray, Asha Radwan
Alex Boden, Christian Dixon
Jack Ross, Andy Barrett
Ian Rudgewick Brown
Manuel Puro

Canera Helmsman:
David Hassan:
Dimitri Avignoni:
Dr. Frevel:
Dr. Loomis:
Fark:
Hal Taffin:
Holographic Lady:
Hospital Receptionist:
Hugo Carmichael:
Hugo's Assailant:
Jan Mitorr:
Joe The Bartender:
Kronos:
Lev Arris:
Lord Mike Vonx:
Louisa Philips:
Man 1 - Kronos's Ship:
Man 2 - Kronos's Ship:
Galactic Gourmet Concierge:
Melissa Banks:
Nelson Ramirez:
Newsreader:
Prison Police Officer:
Ralph McCloud:
Reggie Bray:
Rhinehart:
Second Officer:
Temessa Ames:
Uncle Kashumai:

Don Warrington
Christopher Walken
Kevork Malikyan
Hetty Baynes
Douglas Fielding
John Vernon
Steven Crossley
Stasha French
Lynn Thompson
Nick Hutchison
Stephen Jenn
John Boswall
John Hurt
Derek Lea
Clive Owen
Eric Carte
Liana Bridges
Nizwar Karant
Thomsa Craig
Stephen Bent
Mathilda May
Nadim Sawalha
Daphne Cheung
Bruce Byron
John Francis
Tim Pearce
David Warner
Nichola Cordey
Nadia Sawalha
Brian Blessed

CAST

Alberto Fossa:
Angus Santana:
Auntie Maria Gabriel:
Assassin No 1:
Assassin No 2:
Assassin No 3:
Assassin No 4:
Bernice Barlow:
Bill Madox:
Blessed Bidder 1:
Blessed Bidder 2:
Canera Captain:

John Rowe
Jonathan Chesterman
Mary Tamm
Ade Sapara
Farimang Singateh
Amanda Pays
Su-Lin Looi
Nadia Cameron
Bob Goody
Jeremy Arnold
Martine Hubner
David McCallum

Shernikov Receptionist:
Xavier Shondi:
Casting Director:
Editor:
Musical Score:
Director of Photography:
Screenplay by:
Additional Dialogue by:
Live Action Producer:
Live Action Director:
Live Action Co-Producer:

Nicola Jefferies
Jurgen Prochnow
Jeremy Zimmerman
Andy Walter
Ray Shulman
Rex Maidment
Diane Duane
Peter Milligan
David Harrington
Steve Hilliker
Michele Camarda

Stand-By Prop:
Set Dresser/Prop Run-Around:
Focus Puller:
Clapper Loader:
Grip:
Steadicam Operators:
Unit Drivers:
Caterers:
Stills Photographer:
Assistant Editor:
Video Post Production By:
Video Special Effects Director:
Henry Operators:

Paul De Csernaton
Steve Smith
Keith Broome
Mark Maidment
Peter Myslowski
Nigel Kirton, Alf Tramontin
Lol Smith, Alan Bradshaw
The Mobile Mouthful
Spike Watson
Ben Isaacs
The Frame Store
Tim Osborne
Tim Greenwood, Chris Mortimer

VOICE OVERS

Ship's Computer:
Female Space Communications:
Male Space Communications:

Dani Behr
Jessica Martin
Keith Wickham

VT Editor:
Matte Artist:
Telecine Colourist:
Video Post Production Co-Ordinator:
Avid Facilities Supplied By:
Live Action Sound Design:

Adam Windmill
George Roper
Gary Szabo
Lottie Cooper
DGW
Paul Hamblin, Graham Headicar

CREW

Script Supervisor:
Supervising Art Directors:
Art Directors:
Assistant Art Director:
Storyboard Artist:
Draftsperson:
Sculpters:
Property Master:
Production Buyer:
Dressing Props:

Julie Robinson
John Hill, Jan Spoczynski
Felicity Joll, David Walley
Juliette Concannon
Bob Harvey
Richard McManan-Smith, Philip Harvey
Bob Williams, Philip Billingham
Paul Emerson
Duncan W. Wheeler
Joe Malone, Mark Bevan

Gaffer:
Best Boy:
Electricians:
Sound Mixer:
Boom Operator:
Assistant Costume Designer:
Wardrobe Assistants:
Make Up & Hair Designer:
Make Up & Hair Artist:

Joe Ryan
Mark Clark
Steve Senior, Darren Harvey,
Richard Potter, Terry Montague
Richard Flynn
Andy Moffat
Janet Moira
Michael Mooney, Karen Jackson,
James Pavlou, Tabitha Doyle, Rose Goodhart
Joan Hills
Sally Harrison

<i>Make Up Artist:</i>	Melissa Lackersteen
<i>Kronos's Prosthetic Make Up:</i>	Nick Dudman
<i>Make Up/Hair Artists:</i>	Carol Cooper, Maureen Hannaford-Naisbitt
<i>Special U.V Make-Up/Hair:</i>	Carolyn Cowan
<i>Construction Manager:</i>	Steve Bohan
<i>Construction Manager/Snr. Carpenter:</i>	Dave Pearce
<i>Carpenter:</i>	Dave Lowery
<i>Stage-Hands:</i>	Derek Whorlow, George King
<i>Painter:</i>	Brian Morris
<i>Stand-By Carpenter:</i>	Mark Brady
<i>Stand-By Rigger:</i>	Gordon Humphrey
<i>Stunt Co-ordinator/Arranger:</i>	Nick Gillard
<i>Stunt Men:</i>	Ray De-Haan, Andreas Petrides, Riky Ash, Marc Cass, Joss Gower, Derek Lea, Guy List, Nick Gillard
<i>SFX Supervisor:</i>	Stewart Brisdon
<i>SFX Technician:</i>	John Van Der Pool, Ian Lowe
<i>Unit Nurse:</i>	Clare Litchfield

© 1996, Origin Systems, Inc. Privateer, Origin and We Create Worlds are registered trademarks of Origin Systems Inc.

The Darkening and the Origin logo are trademarks of Origin Systems, Inc. Electronic Arts is a registered trademark of Electronic Arts. BRender Power Rendering System © 1995 Argonaut Technologies Limited.



ORE05101049K



An Electronic Arts® Company
PO Box 835, Langley, Slough, Berks, SL3 8XU