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AN INTRODUCTION TO YOUR FIELD MANUAL

Greetings.

The Field Manual you hold in your hand is the latest word on every ship, building, and technology (friendly or otherwise) that a new commander might run into on the edge of the galaxy. The Terran Navy wants to remind you to think before you speak about the things here discussed, and especially before you hand over your copy to someone else. Much of this information is still unknown to the general public, meaning you shouldn't give it to the Terran populace. While many of these details may seem innocuous to you, the decision over which details on our equipment should be revealed to our allies rests on much higher shoulders.

In the manual, you'll learn how to control your vessels, make alliances, and if necessary (and it is often necessary) go to war. We've worked extremely hard to provide you with reports on the alien races we've encountered, along with detailed descriptions of their material. For your enlightenment, we've also included a glimpse of how our alien allies see us. It is an eye opener.

That is all. Use the manual. Don't sell it or give it away to the enemy. Loose lips sink ships, Gentlemen. Think of your Field Manual as one great big flapping lip.

Signed and witnessed, Admiral Len Wolfman

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CHAPTER ONE

INSTALLING AND STARTING

TO INSTALL

- 1 Insert the Conquest: Frontier Wars compact disc into the CD-ROM drive.
- 2 Click Install, and then follow the instructions on the screen.

TO START

- 1 Insert the Conquest: Frontier Wars compact disc into the CD-ROM drive.
- 2 Click Start on the taskbar, point to Programs, UbiSoft Games, and Conquest: Frontier Wars, and then click Conquest: Frontier Wars.

Opening Movie Plays the opening movie to Conquest: Frontier Wars.

Single Player Begins a single-player game - either the Terran campaign, a Mantis or Celareon training mission, a quick battle, or a game that you previously saved.

Multiplayer Begins a multiplayer game.

Options Displays the Options screen, where you can adjust volume, cursor sensitivity, fog of discovery, and so forth.

About Provides brief information about your version of Conquest: Frontier Wars.

Quit Exits Conquest: Frontier Wars.

SINGLE-PLAYER AND MULTIPLAYER

Single Player

For a single-player game, you have the following choices: Campaign As a green commander of the Terran Naval Forces, wade through the missions of intergalactic war in the Terran campaign. If you want to familiarise yourself with the other races, Mantis and Celareon training is also available here.

Quick Battle Go head-to-head against the computer with game and map parameters that you determine. You can play as any race: Terran, Mantis, or Celareon.

Load Saved Game Load and play games you've previously saved.

Multiplayer

Practice your bloodthirsty cunning and honey-tongued diplomacy-and sometimes both-against the living and breathing over the Internet or LAN. Up to 8 players can play over a local grea network (LAN) or up to 4 over the Internet (TCP/IP).

To create or join a multiplayer game: 1 On the main screen, click Multiplayer.

2 Select the type of network connection you want for your multiplayer game, and then click Next. Play Online at UbiSoft.com Connects to the game service on the Internet, where you can start or join a game. If you select this connection type, your browser will automatically open and point you to the game

service. Follow the instructions that appear on the screen.

TCP/IP (Local Area Network) Lets you create your own

game or join one on a LAN via a TCP/IP connection.

TCP/IP (Internet) Lets you start or join a game on the

Internet via a TCP/IP connection

Serial connection let's you connect two computers with direct serial-to-serial port connections

3 To join an existing game, select a game in the list and then click Next (LAN), or select Join, type the IP address that is hosting the game you want to play, and then click OK (Internet).

To create a new game, select Create New Game (LAN) or select the Create option (Internet), and then click Next.

4 If you are creating a game, you can set the parameters of the game in the Multiplayer Lobby and wait for other players to join.

THE LAY OF THE LAND

Your goal as a commander in the Frontier Wars will be to explore and secure sector after sector of the galaxy. Understanding a few basic concepts right away will allow you to jump immediately into the Terran campaign. or to determine favourable game parameters if you will be playing a multiplayer game or a quick battle.

Sectors, Systems, and Supply Lines

Divided areas of the galaxy are known as sectors- vast in size and light-years from one another. Sectors themselves are composed of multiple systems. Luckily, wormholes connect many systems to one another and can be used as a means of navigating between systems. Recent developments now allow us to use these wormholes more safely by protecting them with Jump Gates, but this provides an all-new challenge. Commanders must now be able to think strategically-and keep their forces supplied- across multiple sectors.

Unit supply is simple in your home system, but once you begin to expand your territory success relies on intact supply lines to ensure individual ships and fleets have enough supplies on board to perform optimally. System supply refers to whether or not your current system has an uninterrupted supply line to a Headquarters, and this is provided via Jump Gate-protected wormholes. If a Jump Gate on your supply line is destroyed, your supplies are compromised and your fleets are at risk. Get stuck in an ill-supplied remote system, and you could find yourself in an ambush with little means of repelling it.

For information on unit supply, see "Resupplying and Repairing Units," in Chapter 2. For information on system supply, see "Establishing Supply Lines," in Chapter 2.

Until recently, the idea of having a section on races in a war manual would have been absurd- but no longer. We're not alone. There are three major players on the board, and we (the Terrans) are the newbies. For the history and details on the units and technology of each race, see Chapters 4 through 6. For an at-hand summary of each race's technology path, see the Conquest: Frontier Wars Quick Rescue Card

Terrans

Unless you've stolen this manual, most likely Terran means you. The Terrans are a diplomatic race intent on exploring the heavens for new life, new worlds, and new technologies. The most balanced of the three races, the Terrans have very capable small, medium, and large ship-to-ship combatants; long-range strike capability; and high tech special weapons.

The Mantis are an insect-evolved race that we can best describe as predatory. They're volatile and expansionist, with a low tolerance for co-existence with other species. The Frontier Wars began, oddly enough, as a civil war on the Mantis home world and spilled over when we got involved. Mantis ships are based on the importance of numbers. They lean heavily on light-hulled carriers -so heavily that even scout ships house fighter wings. They search the galaxy for a new home world, so the sector you save may be yours.

Celareons

The most mysterious of the three races, the Celareons seem to be an old enemy of the Mantis. Thus, they're an ally of the Terrans, but there's no telling if we could count them as friends. They appear to be so highly evolved that they may in fact possess no corporeal form, just energy inside armour. Celareon ships are highly advanced, built chiefly for exploration, with defence as the leading design concern. These ships are fast and stealthy, and even their tricks have tricks up their sleeves.



Resources and the Environment

As you lead your fleet across the far-flung reaches, you better make sure you have plenty of resources. The good news is that our harvesting technology is pretty advanced, with Refineries, Harvesters, the MarineTraining Facility, and numerous upgrades.Resources come in three major types: ore, gas and crew. The environment is full of planets, nebulae and asteroid fields that contain these resources. And don't forget that recycling is also important in deep space, so sweep debris fields as well.

Although not a natural resource, command points must also be monitored to keep your operation running. Command points are awarded when you build certain types of platforms, such as Headquarters, and they are required when you build units, as a means of commanding those units. For details on resources and the environment, see Chapter 3. For information on harvesting these resources, see "Mining Resources," in Chapter 2.

GAME PARAMETERS

Because quick battles and multiplayer games are defined by you and (in multiplayer) by your opponents before the game starts, there are options to keep in mind.

Random Map Generation

The random map generator is a way to play on maps that vary in size and scope. The generator will make intelligent placement of terrain elements, planets and wormholes. There are several parameters you can set for your map:

- a. Random a completely fair random map
- b. Random Ring creates map in a ring pattern
- c. Random Star creates maps in a star pattern
- d. Pure Random Maps are completely random

Map Type Determines the pattern of the systems in the overall sector map and the base number of systems in that sector. Random starts with one home sector per player, each with one wormhole. This map's pattern is random. Random Ring starts with one home system per player, with at least one neutral system between any two players' home systems- all shaped in a ring. Random Star starts with one central neutral system, with one home system per player off that central systems. Each home system has two neutral systems that are connected solely to it. For all three of these map types, additional systems appear based on the choice made in the Map Size box.

Resources Determines the amount of resources all players start with.

Game Type Shows the game type- destroying all platforms and construction ships is the default objective of quick battles and multiplayer games.

Number of Systems Determines how many systems the sector will have in conjunction with the Map Type setting. The minimum number of systems you will ever have is the number of players plus 1.

Map Size Determines how many systems the sector will have.

Game Speed Determines how fast your game progresses. With the default setting, real time equals game time. You can make game time faster or slower than real time by adjusting the slider.

Terrain Determines the density of the terrain throughout the sector.

Visibility Determines what you see or don't see at the beginning of a game. Normal means you will have to explore all territory to see it. Explored means the fog of discovery is lifted but not the fog of war, and All Visible means the fog of war and discovery is lifted so players can see all.

Starting Base Defermines the number and types of platforms and ships you will have at the beginning of a game.

Game Settings While choosing your map parameters, you will also have the opportunity to decide on some aeneral game settings:

Spectators Allows a player who is defeated to remain an observer of the game as the remaining players battle it out. Spectators cannot communicate with anyone in the game via chat.

Lock Alliances Prevents players from changing alliances in the Diplomacy screen during the game.

Lock Settings (Multiplayer only) Prevents players from changing game settings after the game has begun.

The race you choose to play greatly affects your strategy and the course of your game. For instance, Mantis ships rely on swarming tactics and evolution. Terrans use a lot of ore, so keeping your harvesting operation in top shape is mandatory. Celareons tend to have less powerful but stealthier ships that require copious amounts of ass.

USER INTERFACE

The Conquest: Frontier Wars game screen has all the controls you need to command your race to victory. The main screen is where you watch the action, navigate, and command first-hand. The resource bar along the top of the game screen and the toolbar along the bottom allow you to keep a close eye on the details of your aame and specify in detail what you want your units to do.

Resource Bar

The resource bar provides detail on the resources the player currently has and contains some buttons that do not directly affect ships and units. From left to right the components of the resource bar are as follows:

System Supply Indicates whether or not the system you are currently in is in supply. A green icon means

the system is in supply: a red icon means it is not.



CP (Command Points) Displays how many command points you are currently using and how many you have available to use. When more command points are needed, this indicator will flash red.

Ore Displays how much ore you currently have available to use and the maximum you can store.

Gas Displays how much gas you currently have available to use and the maximum you can store.

Crew Displays how much crew you currently have available to use and the maximum you can store.

Diplomacy Opens the Diplomacy screen, where you can change alliances with and give resources to other players.

Chat Opens the Chat box, allowing communication with all other active players. This does not pause the game.

The Toolbar

The most important controls in the Conquest: Frontier Wars game screen are found on the large toolbar that spans the bottom of the screen.

 To minimise/maximise the toolbar, click the Minimise/ Maximise Toolbar button in the lower-right corner of the toolbar, or press the END key.



The Context Window

The large box at the left of your context window will change to reflect information about the unit you currently have selected in the main screen. To the right of this window are selection-specific order buttons, which affect the units or groups (ship orders) or platforms (platform orders) you currently have selected. For example, shown below is a military ship context window for a Corvette and, to its right, the ship's order buttons. If nothing is selected, the context window will be empty.

Military Ship Context Window

The military ship context window displays the unit's name, current/maximum possible hull points, current/maximum possible supplies, number of kills, and current upgrade level in regard to hull, shield, engine, sensors, weapon, supply and (for ships that have them) its special weapons.



Orders Buttons

The military ship order buttons to the right of the context window are as follows:

Stop Cancels the last order.

Patrol Orders the selected unit to patrol an area you specify. Select the unit, click the Patrol button, and then click the location you want the unit to patrol.

Escort / Defend Orders the selected unit to escort the unit you specify. Select the unit, click the Escort/Defend

button, and then click the unit to escort.

Special Allows you to use a unit's special weapon or ability when that weapon or ability has been researched and the unit is selected alone. (The Cloaking ability, however, can be activated for all Infiltrators and Missile Cruisers selected as a group.) Select the unit, and then click its special weapon button.

Ship Stance Buttons

A military ship's stance reflects its attitude toward approaching nonfriendly units. To set the stance of a ship, select it, and then click the stance button you want to apply to that ship.

Attack Orders ship to attack any enemy in its sensor range.

Stand Ground Orders ship to remain in place and defend its exact location.

Defend Orders ship to stay and defend its immediate area.

Idle Orders ship to "sleep," ignoring all activity and posing no threat to enemy ships.

Fabricator Context Window

The Fabricator context window appears when you select a Fabricator. It displays the Fabricator's current/maximum possible hull points. It has multiple tabs that together contain all of the platforms that can be built in the game as they are researched: the Main Platform tab, the Research tab, and the Defence tab. The



Stats tab shows the level of current upgrades for the construction ship. A platform button that has a green border around it means that you already have a least one platform of that type built. If a button is grayed out, you have not yet met the technology prerequisite for building that platform.

Orders Buttons

The Fabricator order buttons, to the right of the context window are as follows.

Stop Cancels the last order.

Salvage Salvages a platform and recycles its ore and gas. Select a Fabricator, click the Salvage button, and then click the platform you want to salvage when the cursor becomes a dollar sign. Ships cannot be salvaged. Repair Repairs a platform to its full hull strength. Select a Fabricator, click the Repair button, and then click the platform you want to repair when the cursor becomes a wrench. Ships are repaired at the Repair

Harvester Context Window

The Harvester context window shows the selected Harvester's current/maximum possible hull points and how much ore and gas the Harvester is carrying/the maximum possible it can carry. It also displays the current Harvester upgrade levels.



The Harvester's order buttons- Stop and Patrol - work like those for military ships.

Supply ship Context Window

The Supply ship context window shows the selected Supply ship's current/ maximum possible hull points as well as its current/maximum possible supplies and current uparade level.



Orders Buttons

The Supply ship's order buttons **Stop** and **Patrol** work like those for military ships. In addition, it has order buttons specific to its supply function:



Auto-Supply On Orders Supply ship to resupply any ship within its supply radius in need of



Auto-Supply Off Orders Supply ship to not resupply ships.



Full Auto-Supply Orders Supply ship to resupply itself at the nearest Headquarters, Supply Platform or Repair Platform whenever necessary and then return to its preassigned location.

Group Ship Context Window
The group ship context window shows an iconic representation of each ship selected in a group. The red bar above each ship indicates its hull level. If a ship's hull is more than 50% in tact, the ship icon is green; if less than 50%, the icon is yellow; and if near 0, the icon is red. The blue bar below each military ship



indicates its supply state. To see a particular ship's stats, click its icon here in the group ship context window to display its individual context window.

Orders Buttons

When a group is selected and at least one military ship is in that group, the military ship's order buttons will override the order buttons of other ship types in the group selection.

Admiral Context Window

The admiral context window appears whenever a fleet admiral or a fleet is selected. It always includes three tabs along the top of the window: Fleet Commands, Group, and Admiral Statistics.

Fleet Commands Tab

The Fleet Commands tab contains all of the commands an admiral can give to a fleet in the top row of buttons.



- Form Fleet To form a fleet, select the Fleet Admiral and all the units you want in a fleet, and then click the Form Fleet button. A ship may only be in one fleet at a time. To select this fleet, click the ship that the admiral is on, press the fleet's corresponding function key (Flor F6), or click the Fleets hot button to cycle through all your fleets.
- Disband Fleet To disband a fleet, select it, and then click the Disband Fleet button. The fleet is immediately disbanded and the fleet admiral returns to his individual ship.
- Repair Fleet To repair an entire fleet, select it, and then click the Repair Fleet button. The fleet immediately goes to the nearest Repair Platform (if there is one in the fleet's current system), and all damaged units are repaired.
- Resupply Fleet To resupply an entire fleet, select it, and then click the Resupply Fleet button. The fleet immediately goes to the nearest Headquarters or Supply Platform (if one is in the fleet's current system), and all units are resupplied.
- Transfer Admiral To transfer an admiral to another ship without disbanding the fleet, select the fleet, click the Transfer Admiral button, and then click the ship you want him to board.
- Troopship Assault To assault an enemy with a Troopship in a fleet, select the fleet, click the Troopship Assault button, and then right-click the target when the cursor becomes an orange partial crosshairs icon.

The buttons below the preceding command buttons correspond to the special weapons and abilities available to the fleet. If a ship has a special weapon and is a member of the fleet, then its corresponding special weapon button will be highlighted. Clicking a special weapon button is the equivalent of clicking that individual ship's special weapon button. If multiple ships have the same special weapon, the admiral decides which is the best ship to execute the special weapon command and will allocate that ship to perform the action. The exception to this rule is the Cloaking special ability, which cloaks all Infiltrators and Missile Cruisers at once. The bottom row of buttons will display the Terran, Mantis, or Celareon special weapons in a fleet. A player can have ships of all three races in a fleet, thus he can still get to all of their special weapons with these buttons.

Group Tab

When the Group tab is selected, the admiral context window becomes a group ships context window for the selected fleet (see "Group Ship Context Window," earlier in this section).

Admiral Statistics Tab

When the Admiral Statistics tab is selected, the admiral context window shows the statistics of the admiral, similar to the Stats tab for any military ship context window.

a. Seek and Destroy (Sword Icon)

b. Hold Position — (Flag in a circle icon) c. Defend — (Shield Icon)

d. Peace - (Peace symbol icon)



Platform Context Window

The platform context window shows the name of the selected platform, its current/maximum possible hull points, buttons that allow either the building of units or the researching of technology, and a queue (of up to 15 items) to show what is being built or researched and in what order. To remove an item from this que, click it.

Items that cannot be built or researched yet will appear grayed out. Status text will indicate the prerequisite that needs to be met in order to build or research that item.



Stop Cancels the last order



Rally Point Sets up a point at which all ships built at the selected platform will meet. Select the platform, click the Rally Point button, and then click the desired location on the screen. To see where any given plaform's rally point is, select the platform and note the location of the blinking yellow locator on both the main screen and the system map.

Platform Upgrade Executes available upgrades or evolutions when available.

Hot Buttons

The buttons to the right of the context window and orders buttons are your hot buttons-a quick means of cycling through specific platforms and ships so you can keep them active.



Research Platforms Cycles through all platforms that offer upgrades. Each platform is selected and shown in the context window. To centre that platform on your main screen, click the up arrow to the right of that platform's name in the context window.



Shipyards Cycles through all shipyards and Headquarters. Each platform is selected and shown in the context window. To centre that platform in your main screen, click the up arrow to the right of that platform's name in the context window.



Idle Non military Ships Cycles through all idle Fabricators, Harvesters, and Supply ships. Each ship is selected, shown in the context window, and centred on your main screen.



Fleets Cycles through all fleets. Each fleet is selected, shown in the context window, and centred on your main screen.

Maps

The two maps on the right side of your toolbar are the system map and the sector map. Use them to quickly survey your fleets and the terrain and to facilitate orders. For colour detail on the maps, see the Quick Rescue Card.



The System Map

The system map shows the system you're currently looking at in the main screen. Undiscovered areas are shown as black. As you send ships out to explore the system, the fog of war is lifted and the planets and terrain appear on the map. All buildings and units in the system are distinguished on the map by each player's unique colour.

Once you've selected a unit on the main screen, you can select its target destination on the system map just as you would in the main screen-by right-clicking where you want it to go. To set way points, hold down the SHIFT key and right-click way points to create a complete path for your unit to travel.

The Sector Map

The sector map shows the entire sector in which you're playing. It shows all systems you've travelled to and allows you to quickly send ships to those sectors

Systems you own (systems in which you have a Jump Gate on every wormhole) appear blue, while neutral systems appear gray or black. A white circle will appear around the system you're currently viewing in the main screen. If you are involved in a battle, the system where it is occurring will show a flashing red ring around it

You can also tell at a glance whether your systems have intact supply lines available (where all wormholes between systems have a Jump Gate). If not, then the sector and its connector line will appear yellow. Lines that simply end in space indicate that you've discovered a wormhole but haven't explored the system on the other side. When you enter the new system, it will appear on the sector map.

Clicking a system on the sector map displays that system in your main screen and the system map. You can also select units you want to transport to another system and then right-click that system in the sector map to automatically send them there.

SAVING, LOADING, AND EXITING

- To save a game, press ESC, click Save, type a name for the game (or click the name of an existing saved
 game to replace it), and then click Save.
- To load a saved game, press ESC, click the name of the game you want to load, and then click Load.
- To exit a game without saving it, press ESC, click **Resign**, and then click **Continue** in the Score screen to return to the main menu.



CHAPTER TWO

STAKING YOUR CLAIM IN THE GALAXY

You're at a disadvantage if you're trying to fight a war far from your home world, so it's vital to put down stakes the moment you arrive. It would be nice to have resources and defenses you can rely on before the battles come. Here are the basics to staking your claim.

You need a home base, and the only place for it is on a planet. Headquarters are a means of resupplying ships with ammo. They also provide command points and allow you to build Fabricators and Supply ships.

Often you'll begin with a Headquarters, but if you need a new one you'll build it with a Fabricator on any

 To build a Headquarters, select a Fabricator, click the Main Platform tab in the Fabricator context. window, click the **Headquarters** button, and then click available slots (shown in green) on a planet.

BUILDING FABRICATORS



The Fabricator is the ship you need to build before you can build anything else. As new platforms become available, your Fabricator context window will highlight their corresponding buttons.

• To build a Fabricator, click a Headquarters, and then click the Fabricator button in the Headquarters context window.

For more information, see "Fabricator Context Window," in Chapter 1.



You have two kinds of units: platforms and ships. Platforms are non-mobile units that affect your fleet by performing some useful function, such as mining resources (Refinery), providing command points (LR Sensor Tower), resupplying ships (Supply Platform), or defending space (Laser Turret). Most platforms must be built on a planet, but some must be placed in space-namely, defence turrets. Platforms that recruit crew from planets (Marine Training Facility and Naval Academy) must be built on an earth or swamp planet, which generate crew. Fabricators can build any platform.

• To build the Refinery platform, select a Fabricator, click the Main Platform tab, click the Refinery button, and then click available slots (shown in green) on a planet.

For more information, see "Platform Context Window," in Chapter 1.

MINING RESOURCES



Once you have a Refinery, it will drill into a planet and start harvesting the resources on that planet. With that operation underway, you'll want to harvest resources off-planet as well, because valuable ore and gas can be found in phenomena such as nebulae and asteroid fields. You can also recycle ore from the debris fields left by destroyed units. Build a Harvester at the Refinery to harvest these off-planet resources.

• To mine off-planet resources, click a Harvester. When the cursor becomes a pick or shovel icon, right click the Harvester's target. Look for bright spots scattered through nebulae, shiny nuggets in asteroid fields, and floating metal in space.

For more information, see "Harvester Context Window," in Chapter 1. For details on finding resources, see Chapter 3.

STRAIKING YOUR CLAIM



Building

As nifty as Fabricators and Harvesters are, a fleet of them won't do you much good. You need some real fighting ships, and to build ships you need shipyards. The first shipyard to become available will be the Light Shipyard, which builds smaller ships, followed by the Heavy Shipyard, which builds larger ships. Once your harvesting operation has begun, start building your fighters.

• To build a Corvette, click a Light Shipyard, and then click the Corvette button.

To build more than one, click the button for each Corvette you want.

Selecting

Commanding ships is as easy as building them. First, you select a ship by clicking it, but you likely will want to move them in groups.

- To select multiple ships, drag the cursor around them, or hold down SHIFT while clicking each ship you want in the group.
- To select all ships of the same type shown in the main screen, double-click one of them.
- To assign a group of ships to a control group, select the group, and then hold down CTRL while pressing a number key 0-9.

When you want to select that control group, press the number key you assigned them to.

Commandina

Navigating and attacking are both carried out by right-clicking the destination and target, respectively.

- To move a ship, select it and then right-click its destination. Multiple ships can be selected by pressing SHIFT and then clicking each ship you want in the group.
- To set a specific path for a ship using way points, select it and then hold down SHIFT while right-clicking each waypoint you want the ship to visit, with the final waypoint being its final destination.
- To attack an enemy, select the ship or group, and then right-click the target when the cursor becomes a red crosshair icon.

The toolbar at the bottom of the game screen offers many more options for commanding your military ships. For more information, see "Military Ship Context Window," in Chapter 1.

EXPLORING AND ESTABLISHING SUPPLY LINES



Once you're well-apportioned- preferably with a Headquarters, a- Fabricator, a productive Refinery, and a passel of fighting ships-it's time to explore outside your home system. You move to different systems throughout the sector via wormholes.

• To navigate to another system, select a ship, and then right-click a wormhole.

Before right-clicking the wormhole, you can check the ship's destination system by noting the white highlighted path on the sector map in the toolbar. To change your own view to that system, click the wormhole on the main screen, or click the system on the sector map.

Once you've begun exploring a new system, you must establish an intact supply line to it that is connected to a sector with a Headquarters. This is done by building a Jump Gate around the wormhole.

 To build a Jump Gate, select a Fabricator, click the Defence tab in the Fabricator context window, click the Jump Gate button, and then click the wormhole. The Jump Gate will allow only friendly traffic through the wormhole, and your supply line is in tact.

Check your system map often to make sure your territory is always in supply- yellow sectors and connector lines indicate that your overall sector supply is in jeopardy. Rigorously defend your Jump Gates, noting that they can be destroyed from either side of the wormhole, and do not neglect to rebuild them if they are destroyed.

CITAPTIFER

RESUPPLYING AND REPAIRING UNITS

Without necessary supplies and repairs, platforms and ships cannot function, and your race will — slowly-or perhaps quickly— die.



Resupplying

A unit's supply status can be checked one of several ways:

- When a turret platform or individual military ship is selected, its current/maximum possible supplies are shown in its context window.
- When a military ship is selected as part of a group, the blue supply bar below its corresponding icon in the arous ship context window indicates its current supply status.
- When you roll your cursor over a turret platform or individual military ship in the main screen, its blue supply bar is shown. To make a quick general appraisal of unit supply on a group of turret platforms and ships in the main screen, drag your cursor around the group - but don't release the mouse button; the supply bars for all units will appear.

Turret platforms and ships can only be resupplied with a Headquarters, Supply Platform, Repair Platform or Supply ship. The supply radii of these units are shown when you roll your cursor over them. Note that the supply radius of Supply Platforms, Repair Platforms, and Supply ships is much greater than that of Headquarters.

If you do not build a turret platform within the supply radius of a Headquarters, Supply Platform, or Repair Platform, then you will have to monitor its supplies carefully and manually resupply it when necessary.

- To resupply a turret platform, select a Supply ship, and then right-click a location on the main screen that will place the platform within the sweep of the ship's supply radius.
- To resupply a ship, select it, and then right-click a location on the main screen that will place it within the sweep of the supply radius of a Headquarters, Supply Platform, Repair Platform, or Supply ship.

 For additional information on Supply ship orders, see "Supply ship Context Window." in Chapter 1.

Repairing

You must also repair units as they are damaged or they will fail to function. A unit's health is indicated by its hull level. Checking a unit's hull level is similar to checking its supply status.

- When any platform or individual ship is selected, its current/maximum possible hull points are shown in its context window.
- When a ship is selected as part of a group, the red bar above its corresponding icon in the group ship
 context window indicates its current hull level. If a ship's hull is more than 50% in tact, the ship icon is green;
 if less than 50%, the icon is yellow; and if near 0, the icon is red.
- When you roll your cursor over any platform or individual ship in the main screen, its hull bar is shown. When the bar is green, more than 50% of the hull is in tact; when yellow, less than 50%; and when red, it is near 0. To make a quick general appraisal of unit health on a group of platforms and ships in the main screen, drag your cursor around the group-but don't release the mouse button; the hull bars for all units will appear.

To repair a unit, you must have a Repair Platform and, to repair a platform, a Fabricator. Keep in mind that when you repair a unit, resources will be deducted from your holdings, based on how much repair work has to be done.

- To repair a platform, select a Fabricator, click the Repair button, and then click the platform when the cursor becomes a wrench icon.
- To repair a ship, select it, and then right-click a location on the main screen that will place it within the sweep of the repair radius of a Repair Platform.

COMMANDING FLEETS

It helps to delegate your command to intelligent officers who don't have to be constantly monitored. Fleet admirals are officers who control a group of ships of your choosing. From their admiral vessel, they keep your fleets in line, choose the best targets, and intelligently size up a command's likelihood of success. Each of your six admirals, however, will make different decisions based on his or her personality, experience, strengths and weaknesses. This individuality is also reflected in the valuable bonuses each admiral provides to the entire fleet as a whole.



To establish a fleet

- 1 To create a fleet admiral, click the Naval Academy, and then click the button of the fleet admiral you want.
- 2 After the admiral reports to duty, select the admiral and the ships you want in that admiral's fleet, and then click the Form Fleet button in the admiral context window. The admiral will board the largest ship in the group. The function key that appears above each member of the fleet is the fleet's selection key.
- 3 To select the entire fleet, press the fleet's corresponding function key (F1F6), dick the ship the admiral is on, or click the Fleets hot button until this fleet is selected.

For all the controls available for commanding fleets, see "Admiral Context Window," in Chapter 1. Even if a fleet is carrying out a fleet command, you can give specific orders to an individual fleet ship. To remove a ship from a fleet you must either disband the fleet or recreate the fleet without that ship.

Always keep an eye on the hull level of the ship the admiral is aboard. If that ship goes, so does your admiral. If an admiral's ship is grievously damaged, transfer him or her to another ship by using the Transfer Admiral button in the admiral context window.

USING DIPLOMACY



Diplomacy is a function that allows you to make and change alliances and share resources with your allies during a quick battle or multiplayer game.

• To access the Diplomacy screen, click the **Diplomacy** button in the resource bar, or press ALT+D.

Changing Alliances

Alliances are a way to determine how readily your ships and fleets attack opponents. Enemies will attack one another automatically; allies will not. If you consider someone an ally and they fail to return that respect, your ships will not attack, but theirs will attack yours. The Allied column lets you know where you stand.

Each player (except yourself) has two indicators in the Allied column. Plus (+) indicates ally and minus (-) indicates enemy. The first plus or minus indicates your stance toward that player, and the second reveals their stance toward you.

• To change your stance toward a player, click that player's box in the Allied column.

Gifting Resources (to be updated)

When an ally is in need, you can gift resources to them using the Diplomacy screen.

• To give resources to an ally, click the box in the appropriate resource column in that ally's row (click repeatedly until the amount gifted is satisfactory), and then click OK to send the gift and return to the game or click Apply to send the gift and leave the Diplomacy screen up.

CHAPTER THREE

RESOURCES AND ENVIRONMENTS

As in any war, resources are absolutely vital to keep your fleet up and running. These resources are found throughout the environment of the system. The environment hosts terrain that also can enhance your fleet in one way or another, but there is a downside- best sumarized by a reportedly Celareon adage: "Environment is a nice way of saying space that can hurt you."

RESOURCES

The three resources that matter - ore, gas, and crew - allow you to pay your way to winning the Frontier Wars. Everything you build and research costs resources, so setting up your harvesting operation at the start of the game and then monitoring your resource bar at the top of the screen are mandatory.

Ore is smelted to make the metals you need to build ships, platforms, and weaponry. It is found on earth planets and moons and in asteroid and debris fields. The hardware-happy Terrans have the greatest need

Gas

Gas is harvested from earth planets, gas giants and nebulae and is used to produce fuel for your propulsion systems. Among the three races, the technology-driven Celareons are the most reliant on gas.

Crew

Crew— the men and women who will do or die at your command— exist only on earth and swamp planets and are harvested by building a Marine Training Facility or Naval Academy to recruit them. Both platforms will automatically recruit crew from planets. You need crew to run your ships. The carrier-reliant Mantis, who burn through drones like jet fuel, have the greatest need for crew.

Command Points

As you expand your base, you will accumulate command points, which mark the ability to command a ship. Some ships and platforms require more command points to construct than others. You will have to be aware at all times of how many command points you can afford to spend.

FINDING RESOURCES

Planets

Planets are a frequently occurring phenomenon formed by the collision of materials as they follow the rotation of stars and the galaxy itself. Different planets provide different amounts and types of resources. Before or after building on a planet, you can check the types and amount of resources it holds by moving your cursor over it. The planet's pop-up shows how much of each resource is currently on the planet, how much was originally available, and the rate at which each resource is being harvested if a Refinery is on the planet.



Earth Planets

We call these lovely M-Class planets earth because of their Terran-friendly environments and also because we're unusually Terracentric. Earth planets yield all three kinds of resources.

Moons

Dead, dead, dead in terms of anything useful except keeping the tides in line on nearby planets and coughing up impressive amounts



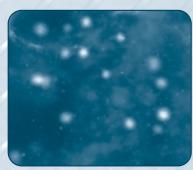
Gas Giants

If you can't figure out that what you find on a gas planet is chiefly gas, then maybe you're out of your league.

Swamp Planets

Similar to gas planets but wetter and more dense in atmosphere, swamp planets provide exceptional crew.





Asteroids and Nebulae

Asteroids and nebulae vield useful ore and aas. respectively (you won't find crew hanging around on an asteroid, and even if crewmen were floating in a nebulae you probably couldn't use them). But be careful around these fields they also have many dangers.

Asteroid Fields

Navigating through rocks the size of your ship is a tricky business. Navigation systems and pilots are smart enough not to collide with them, but an asteroid field will slow down your ships considerably.





Nebulae Nebulae can have various effects, so be careful.

Helious Nebula

These soft-yellow cloudlike nebulae are so helium-rich that ship attacks within the nebulae cause much greater damage than normal.

Lithium Nebula

This misty-green nebula is ugly, but all it does is slow you down while offering gas for your Harvester.

Hades Nebula

This red, sulfurous, hellish cloud yields much harvestable gas but will slowly destroy your ships if you leave them inside it too long.

Celsius Nebula

These frozen, waterlogged nebulae are to ships what being dropped in a river is to pistols. You'll suddenly find your supplies locked up and nonresponsive, leaving you unable to lay mines or launch fighter wings, never mind use special weapons.

Cygnus Nebula

An oozing off-orange slushy in space enhanced with gas, this nebula actually speeds you up rather than slowing you down.

Ion Nebula

Perhaps the prettiest, this bluish lightning-laced nebula will play havoc with your shields, rendering ships woefully under-defended.

Debris Fields

CHAPTER 3

We believe in recycling in the Terran Navy, especially since any ship blown up in space, - friend or foe -, will leave copious amounts of useful material to harvest. Your Harvesters are smart enough to leave the soft tissue floating in the heavens and only bring home what you can smelt. Careful, though - moving through debris fields means slowing down enough so that ships can navigate properly.

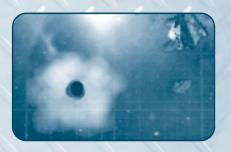
Antimatter

The rainbow-coloured antimatter ribbon and its cousin, in the form of yellow clouds, are anomalies lovely to look at but utterly impassible to ships.



Black Holes

The black hole is like a wormhole gone bad-come near it and its incredible gravitational field will begin to suck ships in, and the ability to escape is directly proportional to the size and strength of the ship in question. Since black holes are formed by the energy of an imploded star, if your ship doesn't escape it will be tugged and crushed as it's sucked into the depths of the phenomenon. If it survives- and many ships won't-there's no telling where the lost ship will wind up.





CHAPTER FOUR

TERRANS

What makes the Terrans special is their glorious need to strive, that cosmic -dwarf complex that makes them over-achieve rather than perish on a harsh planet. With nothing but their colossal brains they have conquered a disastrously hostile environment, so much so that they now take that victory for granted. Especially remarkable is the wondrous variety among the Terrans, the infinite dreams and imaginations among those teeming billions of brains housed in vulnerable flesh. They are a walking contradiction: dreamers and cynics, poets and tax collectors, warriors and peacekeepers. They may not look it, but they are a formidable enemy for the rest of the galaxy.

Translated from Celareon Magistrate Elan's "Thoughts on the Terran."

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HISTORY

It is ironic that the prevailing sentient organism from Terra, a planet no less than three-quarters covered in water, would be a warm-blooded land mammal. The dominant creatures we call Terrans are soft-bodied, finely furred, live-young-bearing creatures who, like their planet, consist mostly of water. Their chief manner of locomotion is a precarious, inefficient bob from one of two lower appendages to the other. They possess no protective shell and go into a mild coma approximately every twenty-four hours.

This lack of any natural defence against a hostile and largely uninhabitable (for them) environment has only aided their adaptation of intelligence. Hence, their fragility has become their strength: not only do these weak, flightless, bipedal creatures boast a life span of a shocking 100 to 120 years, but constantly improving technology has made those lives all the more lengthy. A dense, near-impenetrable, top-mounted cranium houses the only truly impressive organ the Terrans possess: their large and heavily folded brain, rivalled only by the all -mind energy- being Celareons.

It took thousands of years for the Terrans to finally bring the small portion of Earth on which they could survive under the rule of one government. The main impediment, of course, was once more the adaptive intelligence and imagination of the species, which habituates men to imagining more and better, regardless of the circumstances.

Since the earliest Terrans developed their first machine - the lever - the keys to human technology are two prevailing and counterbalancing precepts: imagination and functionality. "Does it work? Can it work better?" A man sees that he cannot survive bitter cold, and yet he suffers winters. Whereas other species would adapt hard shells or thick fur coats, man has adapted intelligence to lead him to take a fur coat from a bear. The drive to make things that work better has led him to remain both a constant dreamer and a thorough moderate, so that even today his ships are functional, utilitarian, and even-keeled. If they are beautiful, it is because beauty was a feature someone thought would be useful.

TECHNOLOGY

The most balanced of the three races, the Terrans have very capable small, medium, and large ship-to-ship combatants, long-range strike capability, and high-tech special weapons.

Platforms

Headquarters

Your home away from home and your single most important -and most expensive - platform, the Headquarters is the base of all supply: both system and unit. You must be able to trace a viable supply line (via Jump Gates) from a system with an HQ to other systems for them to be in supply. Units low on ammunition can fly within the supply radius of an HQ to resupply, and defence platforms built within that supply radius will also be taken care of.

HQs provide Fabricators and, after a Supply Platform is built, Supply ships.

Command points awarded.



Refinery

Build a Refinery on a planet, moon, or gas giant from which you want to harvest ore and gas automatically. To mine resources off-planet, you'll need to build a Harvester here. A Refinery offers harvesting and supply upgrades. It is also the starting point for all ship creation.

Requires: Headquarters.



Marine Training Facility

As a new home for all your green troops, the Marine Training Facility will automatically recruit crew from earth and swamp planets. It offers Troopship upgrades and is the starting point for all personnel and fleet upgrades.

Requires: Headquarters.

LR Sensor Tower

A valuable asset, the LR Sensor Tower scans a very large radius, clearing the fog of war from your maps. It also offers upgrades that increase the sensor range of your other units.

Requires: Headquarters. Command points awarded.





aser Turre

The Laser Turret does damage roughly equivalent to the Corvette's laser, but this platform is very useful for defending any given area you can place it anywhere in space. Make sure, however, you build it within the supply radius of an HQ or Supply Platform.

Requires: Headquarters.

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Light Shipyard

The Light Shipyard is the first gunship-building platform that will become available to you. Here you can build all your smaller ships: Corvettes, Missile Cruisers, Troopships and Infiltrators. Requires: Refinery.



Wormholes by nature allow easy access between systems, so it's important to build Jump Gates around wormholes along your supply line. A Jump Gate effectively locks out unfriendly traffic, allowing you to shore up your held positions-that is until someone destroys it, which is possible from either side of the wormhole.

Requires: Refinery.

Naval Academy

The source of leaders you'll need as you expand your fleet is found at the Naval Academy. It not only automatically recruits new crew from planets at a higher rate than the Marine Training Facility but, in quick battles and multiplayer games, can train and provide up to six unique Terran admirals, each of whom will command and upgrade the entire fleet. Requires: Marine Training Facility.





Supply Platform

The Supply Platform serves as a secondary base for resupplying units at your forward bases - with a much larger supply radius than that of an HQ. It is also mandatory for building Repair Platforms.

Requires: Refinery.

Repair Platform

The Repair Platform, as its name suggests, repairs ships - and resupplies them as it does so. Requires: Supply Platform.



Squadron Hangar

The Squadron Hangar is the home of fighter-based units and platforms, providing significant upgrades for your fleets. Requires: Naval Academy.





Ballistics Lab

The Ballistics Lab is where the guys in white coats come up with new destructive implements - you can research cloaking technology for Infiltrators and Missile Cruisers, as well as upgrade weapons

Requires: Light Shipyard.

Space Station

The Space Station housesfighter bombers. The station can be placed any where in space.

Requires: Squadron Hangar.





Advanced Hull Factory

At the Advanced Hull Factory, you can research stronger hulls for your ships - useful considering the pounding Terran ships take from Mantis fighters.

Requires: Ballistics Lab.

Heavy Shipyard

The Heavy Shipyard is where you build the heavy hitters of the fleet, the medium to large ships: Battleships, Fleet Carriers, Lancer Cruisers and Dreadnoughts.

Requires: Advanced Hull Factory.



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Propulsion Lab

The Propulsion Lab gives you access to better engines for your ships. Requires: Advanced Hull Factory.



Displacement Lab

The Displacement Lab provides upgrades for your ship shields especially useful for lighter-hulled ships.

Requires: Advanced Hull Factory.

AWS Research Lab

These guys make the white coats at the Ballistics Lab look like pikers - the AWS Research Lab provides strange and exotic technology, including items on loan from our rebel allies inside the Mantis Empire. The special weapons you can find here are the Tempest Charge, Probe, Vampire Arc and Aegis Shield (all described in "Upgrades and Special Weapons" later in this chapter).



Requires: Heavy Shipyard.



Ion Cannon

A heavy turret gun, the free-floating Ion Cannon delivers a massive wallop wherever to invaders.

Requires: AWS Research Lab.



Fabricator

The Fabricator is your most important non-military ship. Fabricators build platforms - any available platform - on any planet, moon, or gas giant, as well as Jump Gates and defence platforms in space such as the Laser Turret. They can also repair and salvage platforms, as long as the research requirements have been met.





Supply ship

As its name suggests, the Supply ship resupplies ships and platforms that are within its supply radius.

Requires: Headquarters, Supply Platform.





Harvester

The Harvester is essentially a cargo ship that gathers gas from nebulae and ore from asteroid and debris fields - in other words, any resources not on a planetary surface. **Requires: Refinery.**

Admiral

The admiral is the ship that leads the fleet, generating technical bonuses for all ships in that fleet.

Requires: Naval Academy.



Admiral Halsey

Halsey's job is to lead Earth's military forces into the new frontier. Halsey has a true appreciation for the benefits of peacetime, but if there will be victory against aggressors from beyond the stars, Halsey will be at the heart of that victory. **Bonuses**: Battleships; Fleet Carriers; Dreadnoughts; supplies; shields.

Admiral Hawkes

This curious Briton was the first to lead an expeditionary force into uncharted space-it was Hawkes' science vessel, Andromeda, that waded into the middle of a Mantis civil war and began our involvement with the Frontier Wars. Through capture, torture, rescue and manoeuver, Hawkes remains unflappable. **Bonuses**: Missile Cruisers; engine speed; vs. Mantis ships.

Admiral Takai

Takai is a tactical genius from a long line of precisely that, all the way back to his admiral ancestor in Earth's so-called "Second World War." If it weren't for Halsey's own great leadership qualities, Takai would almost surely be running the Terran Navy. **Bonuses:** Fleet Carriers: sensors: fighter upgrades.

Admiral Steele

As the first Texan to make admiral in the new Terran Navy, Steele's goal is to show the enemy the true meaning of "getting the boot." Steele was raised in a strict military family where his mama's motto was, "Treat people with decency, until such time when they need a good ole kick in the ass." Charming. **Bonuses:** Battleships; damage; vs. Celareon ships..

TERRANS

Admiral Smirnoff

This prestigious Russian was one of the trickiest and most-challenging instructors the academy ever saw, and in wartime Smirnoff brings those skills to bear. There is something questionable about him. He's a very capable commander, but you should watch him. **Bonuses:** Dreadnoughts; vs. platforms; vs. Terran ships.

Admiral Benson

The youngest admiral in the Terran Navy, Benson first saw active duty at the beginning of the Frontier Wars. Before that, she was the highest-rated cadet ever to graduate from the Terran Naval Academy. She's hoping her whole career won't be spent fighting this war. She has bigger plans for Terra. **Bonuses**: Lancer Cruisers; evasive tactics; range.

Corvette

A fearless workhorse, the Corvette is small, fast and good for scouting new systems. Lightly armoured, it possesses a flak cannon that is ideal for defending against carrier fighters. Although a small, hard target for bigger ships, it should not be relied on to win battles.

Requires: Light Shipyard.



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Missile Cruiser

With its upgradeable missiles, the medium-armoured, lightly hulled Missile Cruiser is excellent for attacks against heavily armoured, larger ships and platforms. Its special upgrade (found at the Ballistics Lab) is its cloaking ability, but at the expense of supplies. Requires: Light Shipyard; Ballistics Lab.

Troopship

Ramming into enemy platforms and offloading marauding Marines, the Troopship is invaluable for Invasions. It can take over platforms an non military ships. These expensive ships are lightly armored. So, be careful. Requires: Light Shipyard; Marine Training Facility.



Infiltrator



Even smaller than the Corvette, the Infiltrator has one purpose: deep scouting in hairy territory. With no weapons at all, the Infiltrator must rely on its impressive speed, long-range cloak-piercing sensors, and its own cloaking (researched at the Ballistics Lab) and ping ability to get the information you want and make it back alive. When you turn on the Infiltrator's ping (by clicking the Ping button in its context window), all enemy ships in the system will be momentarily exposed, but at the cost of supplies and a brief exposure of your own Infiltrator to other players.

Requires: Light Shipyard; LR Sensor Tower.

Battleship

The mainstay of the Terran fleet, the medium-sized, heavily armoured Battleship carries two laser bolt-firing, double-barrelled turret guns that do excellent damage to larger ships. Even better is its special weapon upgrade on loan from our rebel Mantis allies: the Tempest Charge.

Requires: Heavy Shipyard.



E L e s fi

Fleet Carrier

Launching two wings of fighters, the medium-sized, lightly armoured Fleet Carrier is excellent for long-range attacks, but its thin hull means long-range is your best bet. Its special weapon is the Probe, which when launched lifts the fog of war wherever it goes for the short time it remains active.

Requires: Heavy Shipyard; Squadron Hangar.

Lancer Cruiser

The medium-sized Lancer Cruiser takes a very steady commander: Although its lightning-like arcs are spectacular -and spectacularly Damaging -they'll damage any nearby ship, friend or foe, as they dance from one ship to the next. The Lancer's special weapon is the Vampire Arc, which actually depletes the supplies of enemy ships.

Requires: Heavy Shipyard; Naval Academy; Displacement Lab; Propulsion Lab.



Dreadnought

The biggest and most powerful ship in the Terran fleet, the Dreadnought is a massive, heavily armoured monster that does tremendous damage with its three triple - barrel laser cannons. The Dreadnought's special weapon is the Aegis Shield, which pumps up the Dreadnought shield to temporary near-invulnerability.

Requires: Heavy Shipyard: Propulsion Lab: AWS Research Lab.

CHAPTER +

Upgrades and Special Weapons

General Upgrades

Terran ships and weapons share numerous universal upgrades with the Mantis and Celareons. For a description of these upgrades, see Appendix A.

Special Upgrades and Weapons

Special upgrades and weapons specific to the Terrans are as follows.

- Supply Platform 1-2 Increases the supply and repair radius. Affects: Supply Platforms; Repair Platforms. Requires: Refinery: Supply Platform.
- Ore 1-2 Improves the rate of ore harvesting. Affects: Harvesters. Requires: Refinery.
- Gas 1-2 Improves the rate of gas harvesting. Affects: Harvesters. Requires: Refinery.
- Missile Pack 1-2 Provides more missiles. Affects: Missile Cruisers. Requires: Ballistics Lab.
- Cloaking Makes ships invisible to the enemy, unless that enemy is an Infiltrator, Seeker, or Oracle. Affects: Infiltrators; Missile Cruisers. Requires: Ballistics Lab.
- Tempest Charge Causes area-effective damage; particularly good against small ships. Affects: Battleships. Requires: AWS Research Lab; ability to build Battleships.
- Probe Lifts fog of war and detects cloaked units wherever it goes for a short time. Affects: Fleet Carriers. Requires: AWS Research Lab; ability to build Fleet Carriers.
- Vampire Arc Depletes the supplies off enemy units. Affects: Lancer Cruisers. Requires: AWS Research Lab; ability to build Lancer Cruisers.
- Aegis Shield Boosts ship shields to temporary near-invulnerability. Affects: Dreadnoughts. Requires: AWS Research Lab; ability to build Dreadnovahts.

MANTIS

Tellingly, a favourite song among the Mantis spells out the ultimate dream of the race as it pertains to the Frontier Wars. Among other galactic exploits, recently added stanzas foretell of the capture of the planet Terra. The hives fly together, birthing the millions of Mantis who spill across the Terran plain. These brand-new children then seize the nine billion inhabitants of Terra and mechanically grind them into a milky pink paste, which they then feed to the rest of the Mantis Navy, who dance across the planet, drunk on the Terrans' liquefied carcasses. Something to keep in mind...

HISTORY

We may never find a planet of more unforgivable beauty than Chut, the home world of the race known as the Mantis. Terrans visiting Chut would be awestruck by the stunning fields of wheat and grass as far as the eye can see - for seven years at a time, at least. Following that verdant long season is an equally long season of almost unbelievable cold, ice covering the planet in layers miles thick, atmosphere so cold that airbreathers' lungs would turn stone hard in seconds. This strange phenomenon of seven-year seasons is due to the calamitously wild swing of the planet Chut in its rotation ground its sun.

Swarming across these plains in days of old came the Mantis, the gigantic, somewhat narrowly hive-minded insects bearing the powerful exoskeletons necessary to withstand Chut's unique environment. Like the miniature insects from which they are descended, the Mantis feed well on again for seven entire years, after which they must hibernate in caves of ice and rock. During this hibernation, once nutrients run out, the Mantis feed upon those who die during the long sleep: drilling machines reduce the corpses of the Mantis to a liquid mash that allows the rest of the race to survive. In this way they make it through the long, cold winter.

The insectoid Mantis are completely oriented toward the group to which they belong. Mantis politics are extremely complex, but over the years we have developed a basic understanding of how the system works. Modern Mantis are divided into sects arranged by maternal heredity. The sects themselves do not have inherent duties; rather, as powers shift in Mantis politics, the various sects are placed in charge of various more and less important duties. These duties cover just about everything a race might need to survive, from food supply maintenance to ship-building-and even, surprisingly, to humour (Mantis humour has to be heard to be believed, although it will never be understood).

The three most important sects are the royal Azkar; the military Malkor, who are in charge of ship-building; and the mystic Kz'ra, whose influence at court with Queen Azkar is not completely understood. The hive-minded race has produced a very interesting kind of technology that is difficult for an individualist society such as the Terrans to deal with: Everything they build is based upon the precept *numbers* upon numbers.

TECHNOLOGY

Several of the Mantis ships are carriers. If they could, they would build carriers that carry carriers. They don't care about the individual. Hull defence is almost completely unimportant: the numbers are what count. And as Abraham Lincoln of the Terrans observed, numbers win wars.

Platforms

Cocoon

The main Mantis platform, the Cocoon is the Mantis equivalent of the Terran Headquarters. The Cocoon is the base of all supply: both system and unit. A viable supply line must be traceable (via Jump Gates) from a system with a Cocoon to other systems for them to be in supply. Units low on ammunition can fly within the supply radius of the Cocoon to resupply, and defence plat-

forms built within that supply radius will also be resupplied.

Cocoons provide Weavers (the Mantis version of Terran Fabricators) and, after a Collector and Plantation are built, Zoraps as supply ships.

Command points awarded.



Collector

The Mantis resource refinery, the Collector automatically harvests ore and gas from planets, moons and gas giants. To retrieve resources off-planet, Siphons are built at the Collector and then sent out to harvest. The Collector also offers harvesting and supply upgrades and is the starting point for all ship creation. It can evolve into the Greater Collector

Requires: Cocoon.



Greater Collector (Evolution)

This evolution of the Collector speeds up its ability to harvest gas and ore and allows the harvesting of crew; it also stores a larger amount of resources.

Requires: Collector.

Warlord Training Grounds.

The Warlord Training Grounds automatically recruits crew from planets and trains and provides up to six Mantis warlords, which are equivalent to Terran admirals.

Requires: Collector.





Essentially a light shipyard, the Thripid builds the first of the Mantis ships: Frigates, Scout Carriers, Khamirs, Hive Carriers, and Seekers. It can evolve into the Niad.

Requires: Collector.

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Niad (Evolution)

An evolution of the Thripid, the Niad is where the heavier Mantis ships are built: Leech, Spinelayer, Scarab, and Tiamat.

Requires: Thripid; Warlord Training Grounds.





Eye Stalk

The Eye Stalk provides ships with the vision of the Queen herself, with upgrades for the sensor range of all units as well as possessing a large scan radius to clear the fog of war around it. The Eye Stalk can evolve into the Mutation Colony.

Requires: Cocoon. Command points awarded.



Fitted with even more effective long-range sensors, this evolution of the Eye Stalk allows research of several special Mantis abilities: Mimic, Repellent Cloud, Gravity Well, and Repulsor Wave (all described in Upgrades and Special Abilities, later in this chapter). Requires: Eye Stalk; Niad.





Plantation

The Mantis Plantation resupplies units at a much greater supply range than the Cocoon - valuable in the far-flung Frontier Wars. After its repair upgrade is researched, this platform repairs units as well. The Plantation can evolve into the Dissection Chamber.

Requires: Thripid.

Dissection Chamber (Evolution)

The Mantis leave nothing to the scavengers. The Dissection Chamber, an evolution of the Plantation, repairs units and salvages ships for full resource value.

Requires: Plantation.





Blast Furnace

The Blast Furnace has the ability to improve all weapons for the betterment of insectkind, and it can evolve into the Explosives Range. Requires: Thripid.



An evolution of the Blast Furnace, the Explosives Range not only provides an upgrade for all weapons but also the research for the Explosive Ram, a special ability for the Khamir.

Requires: Blast Furnace.





Carrion Roost

The Carrion Roost provides upgrades for Mantis fighters, which in the carrier-reliant Mantis fleets are many and diverse.

Requires: Warlord Training Grounds.

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Plasma Spitter

A defensive turret that can be placed in space but not on planets.

Requires: Warlord Training Grounds.





Voraak Cannon (Evolution)

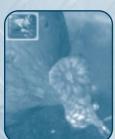
An evolution of the Plasma Spitter, the Voraak Cannon fires even nastier, larger plasma bolts than its forebear.

Requires: Plasma Spitter; Mutation Colony.

Plasma Hive (Evolution)

Another evolution of the Plasma Spitter, this free-floating defensive turret still fires plasma bolts, but it also houses one fighter wing. Requires: Plasma Spitter; Carrion Roost.





Bio Forge

The Bio Forge provides upgrades for ship shields and can evolve into either a Fusion Mill or Carapace Plant. *Requires: Niad.*

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Fusion Mill (Evolution)

An evolution of the Bio Forge, the Fusion Mill provides upgrades for ship engines and can evolve into the Hybrid Centre.

Requires: Bio Forge.





Carapace Plant (Evolution)

Another evolution of the Bio Forge, the Carapace Plant offers upgrades for ship hulls. Like the Fusion Mill, the Carapace Plant can evolve into the Hybrid Centre.

Requires: Bio Forge.

Hybrid Centre (Evolution)

An evolution of either the Carapace Plant or Fusion Mill, the Hybrid Centre gives a Mantis triple bonus, with upgrades for shields, engines and hulls.

Requires: Fusion Mill or Carapace Plant.





Ships

Weaver

The equivalent of the Terran Fabricator, the Weaver can build, salvage and repair any available platform.

Requires: Cocoon.

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Zoran

The Mantis supply ship, the Zorap provides supplies to all ships and platforms within its supply radius.

Requires: Collector: Plantation.



Built at the Mantis Collector, the Siphon gathers gas from nebulae and ore from asteroid and debris fields. *Requires: Collector.*

Warlord

A Warlord is the flagship of a Mantis fleet, providing bonuses to all ships within the fleet. You can have up to six Mantis warlords.

Requires: Warlord Training Grounds.



Warlord Mordella

Known to Mantis as "terror from the stars," Mordella has superior light carrier tactics, which make enemies run in fear. Mordella was appointed protector of the Vorgak home world and royal guard to the new Queen Ver Lak. Bonuses: Scout Carriers; fighter upgrades; engines.

Warlord Azkar

Under Queen Azkar's leadership, the Mantis Empire reached many galaxies. But the Queen was also a feared warrior before her demise, and so skilled was she in ship command that a clone possessing her abilities and mind still flies as a Warlord. This clone is the Warlord equivalent of the dead gueen (and she makes Ker Tak more than a little nervous). Azkar is intent on seeing her daughter succeed in overthrowing the disloyal Ver Lak. Bonuses: Scout Carriers: Hive Carriers: Tiamats: fighter upgrades: sensors.

Warlord Ver Lak

Evil daughter of Queen Azkar and current ruler of the Mantis Empire - and born one second after her sister Ker Tak - Ver Lak was destined to serve rather than rule. So she conducted a coup, driving Ker Tak off the home planet with the help of Warlord Malkor. When Queen Azkar learned of Ver Lak's treachery, she ordered her own Daughter's execution. By then, however, Ver Lak had swayed the Royal Guard, and it was the old queen whose green blood was spilled. Now Queen Ver Lak is busy fending off her sister's loyalists and the new enemy, the Terrans, Bonuses: Tiamats: fighter upgrades: supplies: vs. Celareon ships

Warlord Ker Tak

First born to Queen Azkar and the rightful heir to the throne, Ker Tak was driven from her home world before she could take her mother's ruling seat. Now Ker Tak has traded courtly manners for warlord command and, with Warlord Malkor, leads a fleet of rebel Mantis intent on restoring her to power. If such a noble goal calls for alliance with creatures so nauseating as the Terrans, so be it. Bonuses: Hive Carriers: fighter upgrades: vs. Mantis ships.

Warlord Thripid

Thripid, the weaponsmith for all advanced Mantis technologies, created the Thripid light shipyard. His ability to manipulate new technologies and incorporate them with old ships is legendary. Recently promoted to Warlord due to the Frontier Wars, Thripid would rather be tinkering with the latest ion engine drives than battling among the stars. Bonuses: Frigates: range: shields.

Warlord Malkor

Known to some as General Malkor, this Warlord is the leader of the Red Army, the largest segment of the Mantis forces. Malkor is a vicious and cruel warrior nearly unequaled in military ability. When he decided to ally with the lovely Ver Lak, it spelled doom for Queen Azkar and royal daughter Ker Tak. With the queen out of the way, the only things standing in the way of his plans for galaxy conquest are Ker Tak's forces and the mysterious Terrans, Bonuses: Scarabs: damage: vs. Terran ships.

Frigate

The lightly armoured Frigate fires double-stream, medium-sized plasma bolts. The special ability of the Frigate is the Mimic. Requires: Thripid; Blast Furnace.





Scout Carrier

A lightly armoured carrier housing one wing of Mantis fighers, the Scout Carrier is good for both scouting and distance attacks.

Requires: Thripid

Khamir

The lightly armoured Khamir fires a dangerous, if small, plasma bolt and can be given the special ability Explosive Ram, which allows the Khamir to ram enemy ships.

Requires: Thripid; Blast Furnace.



SILNEW



Spinelayer

The lightly armoured Spinelayer lays mines for enemy ships-but those mines cost resources.

Requires: Niad; Explosives Range.





Seeker

The small and fast Seeker is excellent for scouting, with its long-range, cloak-piercing sensors; however, it lacks weaponry. The Seeker does have ping ability. Click the the **Ping** button in the Seeker's context window to expose all enemy ships in the system momentarily, but note that this ability costs supplies and your own Seeker is briefly exposed to other players. **Requires: Thripid; Eye Stalk.**



The monstrous, heavily armoured Scarab is a cruiser with two turrets hurling large plasma bolts at the enemy. Its special ability is the Gravity Well.

Requires: Niad; Carapace Plant.



The Mantis equivalent of the Terran Troopship, the Leech is extremely valuable in wrestling power from enemy hands. It can take over other platforms and non military ships. Note that a Leech cannot take over another Leech, its enemy equivalents (the Terran Troopship and Celareon Legionnaire), or enemy Jump Gates.

Requires: Niad; Hybrid Centre.



Tiamat

The most visually imposing—and dangerous— carrier in the fleet, the Tiamat is medium-armoured and carries three bomber wings. The Tiamat moves slowly but possesses the greatest attack distance of all Mantis ships. Its special weapon is the Repulsor Wave.

Requires: Niad; Carrion Roost; Bio Forge; Dissection Chamber.



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Upgrades and Special Abilities General Upgrades

Mantis ships and weapons share numerous universal upgrades with the Terrans and Celareons. For a description of these upgrades, see Appendix A.

Special Upgrades and Abilities

Special upgrades and abilities specific to the Mantis are as follows.

- Plantation 1-3 Increases the amount by which ships are resupplied. Affects: Plantations; Dissection Chambers. Requires: Collector; Plantation. Repair allows the repair of units as well as resupply. Affects: Plantations. Requires: Plantation.
- Explosive Ram 1-2 Allows the ramming of enemy ships. Affects: Khamirs. Requires: Explosives Range.
- Mimic Enables a Frigate to disguise itself as any ship it targets. Affects: Frigates. Requires: Mutation Colony; ability to build Frigate.
- Repellent Cloud Releases gaseous, area-effective cloud that slows down and vigorously damages enemy ships. Affects: Hive Carriers. Requires: Mutation Colony; ability to build Hive Carrier
 - Gravity Well Fires missile that freezes and damages ships in the area. Affects: Scarabs. Requires: Mutation Colony; ability to build Scarab. Repulsor Wave Pushes away all enemy ships past their firing range with a single energy wave. Affects: Tiamats. Requires: Mutation Colony; ability to build Tiamat.

CHAPTER SIX

CELAREONS

Think of them this way: Our mind, our intelligence, is essentially energy — electromagnetic impulses bouncing around inside a relatively small and unwieldy, although impressively designed, conductor — our brain. The Celareons have been set free from the need for the meat.

-Terran Ambassador Brunvand



CHAPTER 6

HISTORY

From the beginning we had no idea what the Celareons looked like inside those metal exoskeletons of theirs, which enveloped the individual beings like thick leaden barrels. Some of the humans suggested that the Celareons might be extremely weak physically, requiring the exoskeletons as much to appear imposing as to keep them ambulatory. They were obviously a very intelligent race, which evolutionarily tended to suggest a biological creature physically ill-equipped to deal with the dangers of its environment. But if the exoskeletons worn by the first Celareon ambassadors were required for the creatures' survival, then it must be a materially weak race indeed - after all, humans were not exactly well-equipped to deal with their environment either, but they didn't have to wear a bia gray can whenever they went outside.

The Celareons are beings of pure energy. Obviously, they did not evolve that way-or else why would they need ships? And why the exoskeletons? Initially, these were questions that the surviving ambassadors were unwilling to answer, but we now know the Celareon secret: they require exoskeletons because they are born inside magnetic birthing fields and then immediately transferred into the shell that will act as their body for the rest of their lives - although of course they can change their shell at any time circumstances warrant.

So how could these evolutionary freaks have evolved at all? The best we can work out is that, at one time, the Celareons were biological organisms just beginning to emerge from the oceans of Solari. According to Celareon myth, an ancient, now half-forgotten race saw the intellectual potential of the Celareons and decided to send the new race's evolution on a quantum jump. They developed and gave to the Celareons the first containment fields that would be needed to hold their young and left a pair of ancients in place to oversee the first several generations of what would be their new creation. Once set on their new path in this artificial way, the Celareons developed into the ultra-intelligent creatures that we know today.

TECHNOLOGY

Celareon platforms and ships are built chiefly for exploration, with defence as the leading design concern. Their ships are fast and stealthy and not altogether powerful, since war for the Celareons is an absurd disease of unsociability and rudeness.

Platforms

Acropolis

The Celareon headquarters, the Acropolis is the base of all supply: both system and unit. A viable supply line must be traceable (via Jump Gates) from a system with an Acropolis to other systems for them to be in supply. Units low on ammunition can fly within the supply radius of the Acropolis to resupply, and defence platforms built within that supply radius will also be supplied.





The Acropolis builds Forgers (the Celareon answer to Terran Fabricators) and, after a Eutromil is built, supply ships known as Stratums. Command points awarded.

Oxidator

The Celareon resource refinery, the Oxidator must be placed on a planet, moon, or gas giant, from which it harvests ore and gas. It can then build Galiot harvesters to retrieve resources from off-planet. The Oxidator can upgrade the Galiot and Eutromil as well as harvesting and supplying, and it is the starting point for all ship creation. Requires: Acropolis.

Jump Gate

Wormholes by nature allow easy access between systems, so it's important to build Jump Gates around wormholes along a supply line. A Jump Gate effectively locks out unfriendly traffic, allowing the establishment of held positions - that is until someone destroys it, which is possible from either side of the wormhole.

Requires: Acropolis.



Sentinel Tower

Extremely useful, the Sentinel Tower has a large sensor range to clear the fog of war. It can also upgrade the sensor range of other units. Command Points awarded.

Requires: Acropolis

Pavilion

The Celareon light shipyard, the Pavilion builds the smaller Celareon ships and its takeover ship: Taos, Oracle, Aurora, Legionnaire, and Polaris.

Requires: Oxidator.

ESP Coil

Don't let the enemy get the jump on you: Place the ESP Coil turret anywhere in space and watch it shoot a lightning arc at multiple targets.

Requires: Sentinel Tower.





Helion Veil
The Helion Veil provides upgrades for ship shields.
Requires: Sentinel Tower.



Greater Pavilion

Larger ships are built at the Greater Pavilion, the Celareon heavy shipyard. The medium-to-large ships available here are the Atlas, Trireme, and Monolith.

Requires: Pavilion.

Eutromil

The Celareon supply platform, the Eutromil resupplies and repairs ships within its effective radius, which is larger than that of the Acropolis. *Requires: Pavilion.*





Proteus

Good for basic spot defence, the Proteus, as an inexpensive defensive missile turret, can be placed anywhere in space.

Requires: Pavilion.

Citadel

The Citadel is the Celareon academy where you train and commission up to six magistrates. The Citadel automatically recruits crew from planets at a higher rate than the Bunker. It also upgrades the rest of the fleet via its six magistrates. Command Points awarded. Requires: Bunker.



Xeno Chamber

The techn weapons Shroud, Require:

The technology- savvy Celareons research their special weapons at the Xeno Chamber: Synthesis, Mass Disrupter, Shroud, Destabiliser, and Auger Ray.

Requires: Citadel; Greater Pavilion.

Munitions Annex

The Munitions Annex provides upgrades for weapons and the Proteus.

Requires: Greater Pavilion.



Amuil



The Anvil provides upgrades for ship hulls.

Requires: Greater Pavilion.

CELBACONS





Hydrofoil

A little heftier than the Proteus, the Hydrofoil is a flak-defence turret. Requires: Greater Pavilion.

Starburst

Yet another turret, the Starburst laser turret simultaneously fires

Requires: Munitions Annex; Turbine Dock.





Talorean Matrix

The Matrix, an energy ring connecting platforms around a planet, increases those platforms' shield strength as a whole.

Requires: Xeno Chamber; Munitions Annex.

Portal

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The Portal establishes a one-way worm- hole to whatever location desired - at a cost. Your Forger is sacrificed upon its completion; you only have a brief time to use it, as indicated by its life bar; and it will suck in everything within a certain radius around it.

Requires: Xeno Chamber.



Ships

Forger

The equivalent of the Terran Fabricator, the Forger can build, salvage and repair any available platform. Requires: Acropolis.



Stratum

The Celareon supply ship, the Stratum provides supplies to all ships and platforms.

Requires: Oxidator; Eutromil.



Galiot

Built at the Celareon Oxidator, the Galiot gathers gas from nebulae and ore from asteroid and debris fields.

Requires: Oxidator.



Magistrate

A magistrate ship is the flagship leading your fleet, generating technical bonuses for the fleet.

Requires: Citadel.



Magistrate Blanus

The brains (and we use the term lightly, since Celareons are energy beings, thus all brain) behind Celareon technologies, Blanus knows his way around a starship. Blanus learned how to harness the volatile Hades nebulae to his fleet's advantage. Enemies would be wise to see that they have excellent shielding before going up against Blanus. **Bonuses::** Triremes; damage; targeting.

Magistrate Elan

Elan is the leader of the Celareon race and ambassador to the Terrans. In a show of good faith, Elan agreed to the Terran-Celareon peace accord. With the strength of unity between Terrans and Celareons, Elan hopes to finally put an end to the Frontier Wars. **Bonuses:** Monoliths; Triremes; Polarises; supplies.

Magistrate Vivac

A fearless commander of the Celareon forces, Vivac's ingenuity and guile in military tactics is second to none. Vivac has been known to agree to ally with Terran forces in order to stop the massive Mantis army.

Bonuses: Monoliths: shields: vs. Mantis ships.

Magistrate

Joule Joule is another brilliant mind that was awakened for the Frontier Wars. He knows how to get the most from his forces by way of pinpoint accuracy and supply management. **Bonuses:** Polarises; supplies; targeting: vs. Terran ships.

Magistrate Procyo

Long dormant in the collective consciousness, Procyo was originally awakened to take up the fight against the Mantis. Procyo's genius with warp drives and fuel usage have gotten him and the Celareon military out of many jams. **Bonuses:** Taoses; engines; range.

Magistrate Natus

Natus is an intelligent but occasionally less-than-honest magistrate among the Celareons. He commands great respect and a certain amount of fear, because his actions are not entirely predictable. **Bonuses:** Auroras; sensors; vs. Celareon ships.

Taos

This lightly-armored scout ship seeks information. Its single thin laser won't win any battles, but might get it back alive." Its special ability is Synthesis, the ability to merge with another friendly ship and lend its hull points to the other vessel, restoring both hull and supplies up to the Taos™ current level.



Requires: Pavilion.



Polaris

A quick fighter armed with a Two-laser beam attack, the Polaris special weapon is the excellent-for-big-targets Mass Disrupter. *Requires: Pavilion; Citadel.*

limberturing training as

Aurora

Also known as the "stealth cruiser," the Aurora fires one medium laser. Its special ability is the Shroud, which allows it to cloak other friendly units. With this research, it will also be able to cloak itself.

Requires: Pavilion; Helion Veil; Greater Pavilion.



Legionnaire

The Celareon equivalent of the Terran Troopship, the Legionnaire is extremely valuable in wrestling power from your enemy's hands. Although it possesses no armour, the Legionnaire can take over other platforms and ships equivalent to its upgrade level. Thus, a Legionnaire with no upgrade can take over unarmoured units. A level 1 Legionnaire can take over light-armoured units, level 2 medium-armoured units, up to level 4, which can take over an Acropolis, Terran Headquarters, or Mantis Cocoon. Note.

though, that the Legionnaire cannot take over another Legionnaire, its enemy equivalents (the Terran Troopship and Mantis Leech), or enemy Jump Gates.

Requires: Pavilion; Bunker.

Oracle

Small, fast, and excellent for scouting, the Oracle has the ability to cloak and see deep into fogged territory with its long-range cloak-piercing sensors - all of which is good, because the Oracle possesses no weapons. It does, however, have ping ability. Click the Ping button in the Oracle's context window to expose all enemy ships in the system momentarily, but note that this ability costs supplies and your own Oracle is briefly exposed to other players.



Requires: Pavilion: Sentinel Tower.

At

The lightly-armoured Atlas lays mines in the path of enemy ships, causing supply damage when deployed - but remember that mines will cost you resources.

Requires: Greater Pavilion.



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Trireme

This medium-armoured, medium-sized battleship fires large plasma bolts. Its special weapon is the Destabiliser.

Requires: Greater Pavilion; Munitions Annex; Turbine Dock.





Monolith

The heaviest Celareon vessel, the Monolith is one of the few Celareon ships that doesn't seem better suited to scientific investigation. This heavily armoured warship boasts two powerful laser turrets, and its special weapon is the Auger Ray.

Requires: Greater Pavilion; Munitions Annex; Turbine Dock; Xeno Chamber.

Upgrades and Special Weapons General Upgrades

Celareon ships and weapons share numerous universal upgrades with the Terrans and Mantis. For a description of these upgrades, see Appendix A.

Special Weapons

Upgrades and special weapons specific to the Celareons are as follows:



Eutromil 1 Increases the amount by which ships are resupplied.
Affects: Eutromils.

Requires: Oxidator; Eutromil.



Eutromil 2 Increases the amount by which ships are resupplied.

Affects: Eutromils.

Requires: Oxidator: Xeno Chamber.



Ore 1-3 Improves the rate of ore harvesting. Affects: Galiots. Requires: Oxidator.



Gas 1-3 Improves the rate of gas harvesting. Affects: Galiots. Reavires: Oxidator.



Proteus 1-2 Affects: Proteuses.

Requires: Munitions Annex.



Synthesis Allows a Taos to merge with a friendly ship and restore the hull and supplies of that ship up to the Taos' levels. Affects: Taoses.

Requires: Xeno Chamber.



Mass Disrupter Damages larger ships with an energy wave. Affects: Polarises

Requires: Xeno Chamber; Greater Pavilion: ability to build Polaris.



Shroud Allows the Aurora to cloak a friendly ship as well as itself.
Affects: Auroras.

Requires: Xeno Chamber.



Destabiliser Casts a field to paralyse all enemy ships within a considerable range. Affects: Triremes. Requires: Xeno Chamber; Greater Pavilion; Turbine Dock; ability to build Triremes.



Auger Ray Causes massive damage in just seconds while freezing its target during the attack. Affects: Monoliths.

Requires: Xeno Chamber; to build Monoliths.

Appendix A—Universal Upgrades

Universal upgrades are weapon and ship upgrades that apply to all three races. For upgrades and special weaponry particular to each race, see Chapters 4 through 6.



Engine Upgrades Increase the speed of your ships.



Fighter Wing Upgrades Provide additional wings of fighters.



Harvester Upgrades Speed up harvesting.



Hull Upgrades Increase your ships' hull points.



Sensor Upgrades Increase sensor range



Shield Upgrades Strengthen the shields of your ships.



Supply Upgrades Increase the amount of supplies your ships can carry.



Troopship, Leech, and Legionnaire Upgrades Increase the ability of takeover ships to take Oover larger units. Affects: Terran Troopships; Mantis Leeches; Celareon Legionnaires.



Weapons Upgrades Increase the damage your weapons inflict.

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Appendix B—Hotkeys
This appendix lists the hotkeys for game, interface, and technology.

Game and Interface					
То	Then Press	To	Then Press		
Select idle attack unit	,	Zoom in	NUM +		
Zoom out		Zoom out	Num —		
Select idle civilian		Scroll down left	Num 1		
Group Select	0 9	scroll down right	Num 3		
Zoom in	// = //	Scroll up left	Num 7		
Cycle between fleets	A	Scroll up right	Num 9		
Diplomacy Window	Alt-D	Pause Game	P		
Mission Objectives	Alt-M	Cycle though research platforms	R		
Chat Window	Alt-T	Scroll Right	Right		
Cycle through Build Platforms	В	Turn on Fighter Patrol	Shift — '		
Create Group	Ctrl-0 Ctrl-9	Supply stance Fully auto	Shift - ,		
Transfer flagship	Ctrl-C	Supply Stance No Auto	Shift		
Repair Fleet	Ctrl-D	Supply Stance Resupply	Shift - /		
Resuply Fleet	Ctrl-S	Fighter Stance Normal	Shift - ;		
Troopship Target	Ctrl-T	Unit Stance Attack	Shift — A		
Disband Fleet	Ctrl-X	Toggle Cloak	Shift — C		
Form Fleet	Ctrl-Z	Unit Stance Defensive	Shift — D		
Destrol Selected Unit	DeleteT	Escort/Defend	Shift — E		
Scroll Down	Down Arrow	Team Chat	Shift — Enter		
Toggle Toolbar	End	Fabricator Repair	Shift-F		
Global Chat	Enter	Unit Stance Stand Ground	Shift-G		
Cycle through fabricators	F	Admiral Tactic Hold	Shift-H		
Fleet Select	F1 – F6	Unit Stance Idle	Shift-I		
Save Menu	F10	Admiral Tactic Peace	Shift-J		
Load Menu	FII	Admiral Tactic Seek	Shift-K		
Screen Shot	F12	Admiral Tactic Defend	Shift-L		
Quick Save	F7	Previouse Identical Unit	Shift-N		
Quick Load	F8	Patrol	Shift-P		
Game Options	F9	Rally Point	Shift-R		
Toggle Zoom	Home	Fabricator Sell	Shift-S		
Scroll Left	Left	Cancel/Stop	Shift-X		
Center to last event	Middle-mouse	Rorate 90 CW	Shift-]		
Bycle to next identical unit	N	Rotate 90 CCW	Shift-[

Center to last event

Space

То	ThenPress	То	ThenPress
Toggle Score	Tab	Rotate to 0 degrees	1
Scroll up	Up Arrow	Rotate CW	1
Rotate CCW]	Special Ability	///

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Technology — Terrans

		ecnnology -	— terrans		
То	Select	Press			
Build Headquarters	Fabricator	Q	То		ress
Build Refinery	Fabricator	χ	Build Corvette	Light Shipyard	C
Build Marine Training	Fabricator	M	Build Missile Cruiser	Light Shipyard	M
	Facility		Build Missile Cruiser	Light Shipyard	M
Build Supply Platform	Fabricator	S	Build Troopship	Light Shipyard	T
Build Repair Platform	Fabricator	E	Build Infiltrator	Light Shipyard	S
Build Light Shipyard	Fabricator	1	Build Admiral Halsey	Naval Academy	H
Build Jump Gate	Fabricator	J	Build Admiral Hawkes	Naval Academy	K
Build Naval Academy	Fabricator	(Build Admiral Takai	Naval Academy	T
Build LR Sensor Tower	Fabricator	1	Build Admiral Steele	Naval Academy	L
Build Ballistics Lab	Fabricator	Υ	Build Admiral Smirnoff	Naval Academy	S
Build Squadron Hangar	Fabricator	G	Build Admiral Benson	Naval Academy	C
Build Advanced Hull	Fabricator	U	Upgrade Sensors	LR Sensor Tower	S
	Factory		Upgrade Weapons	Ballistics Lab	W
Build Heavy Shipyard	Fabricator	H	Upgrade Missile Packs	Ballistics Lab	M
Build Propulsion Lab	Fabricator	K	Research Cloaking	Ballistics Lab	C
Build Displacement Lab	Fabricator	D	Upgrade Engine	Propulsion Lab	E
Build AWS Research Lab	Fabricator	W	Upgrade Shield	Displacement Lab	S
Build Laser Turret	Fabricato	Z	Research Tempest	AWS Research Lab	T
Build Space Station	Fabricator	X	Research Probe	Charge AWS Research Lah	c
Build Ion Cannon	Fabricator		Research Vampire Arc	AWS Research Lab	
Build Fabricator	Headquarters	Q	Research Aegis Shield	AWS Research Lab	F /
Build Supply ship	Headquarters	S	Upgrade Engines	Fusion Mill or	F
Build Harvester	Refinery	H	opgrado Enginos	Hybrid Centre	`
Upgrade Harvester	Refinery	U	Evolve to Hybrid	Fusion Mill or	Centre
Upgrade Supply	Refinery	S		Carapace Centre	
Upgrade Supply	Refinery	T			
	Platform				

Upgrade Gas

Upgrade Ore

Build Corvette

Upgrade Troopship

Refinery

Refinery

Marine Training

Light Shipyard

Techno	logy	- M	anti
ICCIIIIO	IUH Y		CHILL

	То	Select	Press	То	Select	Press
	Upgrade Leech	WL Trng Grounds	1	Upgrade Sensors	Eye Stalk	S
	Build Scout Carrier	Thripid or Niad	C	Evolve to Mutation	Eye Stalk	M
	Build Frigate	Thripid or Niad	M		Colony	
Ü	Build Khamir	Thripid or Niad	K	Research Mimic	Mutation Colony	M
ı	Build Hive Carrier	Thripid or Niad	Н	Research Repellent	Mutation Colony Cloud	C
ı	Build Seeker	Thripid or Niad	S	Research Gravity Well	Mutation Colony	G
ı	Fvolve to Nigd	Thripid	T	Research Repulsor	Mutation Colony	ī
	Build Leech	Niad	i	Rosouren Ropoisor	Wave	
	Build Spinelayer	Niad	1//	Upgrade Shields	Bio Forge, Fusion	
	Build Scarah	Niad	G		Mill, Carapace Pla or Hybrid Centre	ınt,
	Build Tiamat	Niad	ī	Build Starburst	Forger	V
	Upgrade Repair	Plantation	D	Build Portal	Forger	W
	Upgrade Weapons	Blast Furnace or		Build Talorean Matrix	Forger	ï
	opgrade weapons	Explosives Range	W	Build Forger	Acropolis	Q
	Build Acropolis	Forger	Q	Build Stratum	Acropolis	S
	Build Oxidator	Forger	0	Build Galiot	Oxidator	Н
	Build Jump Gate	Forger	J	Upgrade Eutromil	Oxidator	E
	Build Pavilion	Forger	Υ	Upgrade Supply	Oxidator	S
	Build Greater Pavilion	Forger	G	Upgrade Galiot	Oxidator	U
	Build Bunker	Forger	1/	Upgrade Gas	Oxicator	G
	Build Eutromil	Forger	E	Upgrade Ore	Oxidator	0
	Build Sentinel Tower	Forger	S	Build Taos	Pavilion	T
	Build Helion Veil	Forger	Н	Research Weapons	Munitions Annex	W
	Bild Xeno Chamber	Forger	X	Research Proteus	Missile Packs	M
	Build Munitions Annex	Forger	M	Upgrade Hulls	Anvil	Н
	Build Anvil	Forger	Z	Upgrade Engines	Turbine Dock	
	Build Turbine Dock	Forger	D	Upgrade Hulls	Carapace Plant	н
	Build ESP Coil	Forger	L	opgrade nons	or Hybrid Centre	("
	Build Proteus	Forger	U	Upgrade Fighters	Carrion Roost	W
	Build Hydrofoil	Forger	V E	Evolve to Voraak	Plasma Spitter	٧
	Evolve to Explosives	Blast Furnace Range	t	2.5 To Toruda	Cannon	
	Upgrade Weapons	Explosives Range	W	Evolve to Plasma Hive	Plasma Spitter	Н
	Research Explosive	Explosives Range				
		Ram	\			

Technology — Celareons

		37			
То	Select	Press	To	Select	Pres
Build Cocoon	Weaver	Q	Build Warlord	Weaver	W
Build Collector	Weaver	(Training Grounds	5
Build Jump Gate	Weaver	J	Build Thripid	Weaver	T

То	Select	Press	То	Select	Press
Evolve to Dissection	Weaver	D	Build Warlord Malkor	WL Trng Grounds	X
Chamber			Build Polaris	Pavilion	P
Build Blast Furnace	Weaver	X	Build Aurora	Pavilion	C
Build Eye Stalk	Weaver	E	Build Legionnaire	Pavilion	L
Build Bio Forge	Weaver	G	Build Oracle	Pavilion	0
Build Carrion Roost	Weaver	R	Build Atlas Greater	Pavilion	S
Build Plasma Spitter	Weaver	S	Build Trireme	Greater Pavilion	T
Build Weaver	Cocoon	Q		Citadel	Ü
Build Zorap	Cocoon	Z	Build Magistrate Blanus		
Build Siphon	Collector	H	Build Magistrate Elan	Citadel	E
Upgrade Siphon	Collector or	U	Build Magistrate Vivac	Citadel	V
	Greater Collector		Build Magistrate Joule	Citadel	J
Upgrade Supply	Collector or Greater Collector	S	Build Magistrate Procyo	Citadel	Υ
Hammel Blood &			Build Magistrate Natus	Citadel	T
Upgrade Plantation	Collector or Greater Collector	0	Upgrade Shields	Helion Veil	S
Evolve to Greater	Collector	G	Research Synthesis	Xeno Chamber	S
LYONG TO OTCUTO	Collector		Research Mass	Xeno Chamber	M
Build Warlord Mordella	WL Trng Grounds	M	Disrupter		
Build Warlord Azkar	WL Trng Grounds		Research Destabiliser	Xeno Chamber	D
Build Warlord Ver Lak	WL Trng Grounds	W	Research Shroud	Xeno Chamber	C
Build Warlord Ker Tak	WL Trng Grounds	K	Research Auger Ray	Xeno Chamber	T
Build Warlord Thripid	WL Trng Grounds				

CHEDITS

SITTERS

Fever Pitch Studios

Producers
Eric Peterson
Chris Roberts
Erin Roberts

Project Manager
Dave Downing

Co-Lead Programmers
Jason "Quality" Yenawine
Thomas "White Knight" Mauer

Art Director Sergio Rosas

Test Manager Evan Brandt

Programmers
Robert "Brutal" Marr
Sean "TollHouse" Barton
Aaron "The Terran" Hunter

Mission Programmers

Justin "FlowerChild" Przedwojewski John "Pretty Boy" Thomas, Jeff Posey Indravijay Gohil Michael Dula

Al Programmers

Aaron Hunter Thomas Mauer

Artists
Drew Mobley
Kyle Anderson
Mike Washburn
Kenneth Perez
David Russ
Rhett Bennett

Mike Dean

John Blood

Whitney Ayres

Jamie Wiggs

Senior Designer

Arvee Garde

Lead Designer

Mission Designers
Jamie Wiggs
Eric Peterson

Story and Scripts Jamie Wiggs Jason Henderson Eric Peterson Chris Roberts

Game balance committee

Arvee Garde Jamie Wiggs Eric Peterson Drew Mobley Thomas Mauer Aaron Hunter Scott Pace Dennis Stone

Cinematic Lead
Dean McCall

Cinematic Artists
Mark Goldsworthy
John Sommer
Steven Stahlberg
Sarma Vanguri
John Ford
Rhett Bennett
Rodney Brunet

Cinematics Coordinator
Tara Thomas

Logo Creation & Animation Rodney Brunet John Sommer System Support Specialist Rick McNeelev

Senior Editor Curtis Neal

Assistant Editor Lara Martine Foss

Co-Directors of Audio Eric Peterson Martin Galway

Sound Designers Amy Hughes T.J. O'Leary

Additional Dialogue Editor Lara Martine Foss

Original Score Composed, Arranged and Produced by James Hannigan

Additional Sound Samples
Courtesy of
Spectrasonics' Symphony of Voices

Test Lead Scott Pace

Testers
James Mitchell
Andrew Franklin
Jamie Gibbs
Jeff Davis
Mission One Tester Extrodinaire

Mayerick

UbiSoft Credits
Production
Produced by
Yves Guillemot

Third Party Director Alexis Godard Director of Development Third Party Europe Anne Blondel

International Content Manager Fabrice Pierre-Elien

Lead Producer Matthieu Boulard

Lead Designer
Michel Momcilovich

QA Manager Eric Tremblay

Lead Tester Yanick Beaudet

Test Team
Stephane Pinard
Jean-Dominic Audet
Michael Richard
Jonathan Moreau
Eric Visconti

Game Service Project Manager Andy McCurdy

Director of Community and Content Kurtis Buckmaster

Worldwide Localization Manager Coralie Martin

Localization Project Manager Jean-Sebastien Ferey

UbiSoft Marketing EMEA
Thomas Petersen
Delphine Delesalle
Xavier Cavrol

Local Marketing Teams Germany Mariana Radicevski United Kingdom Phil Brannelly

Spain Antonio Rabanera France Coppelia Steiger Belgium

Evelyn de Vooght Holland Michael Gale

Canada Steve Gagne Japan

Jun Kazumi **Australia** Michael Gale

Brazil Milena Barreto China

Liu Jun Italy

Christian Born

UbiSoft Marketing United States Group Brand Manager Gary Keith

PR Manager Marcus Beer

Soundelux Showorks
Creative Director
Scott Martin Gershin

Sound Designers
Peter Zinda
Bryan Bowen
Bryan Celano
Dutch Hill
Alan Rankin
Geoff Rubay

Soundelux Project Coordinator Becky Allen

Sound Design Asset Manager Glynna Grimala

Casting Director: Carole Ruggier Voice Over Production Coordinator

Amanda Wyatt

Production Assistant:

Conquest Voice talent in no particular order Corey Gagne (Leach, Cocoon

Igne (Leacn, Cocoon Bioforge, Mantis Computer, Malkor, XenoHanger)

Brian Gaston (Nymph, Thripid, Basistics Lab, Terran Jumpgate)

Philip Owen (Warlord, Syphon, Refinery)

Marko Noyola (Tiamat, Predator) Ben Pascoe (Scarab, Thripid, Mantis, Jumpgate, Harvester)

Katherine Catmull (Seeker, Azkar) Laura Bussinger (Scout, Collector,

Mordella)

Andrew Whelpley (Hive Carrier, Plantation)

Edward Neal (Spinelayer, ESP Coil, Troopship)

Myra Spector (Khamir, Benson) Darbi Worley (Zorap, Plasma Spitter, VerLak)

Lynne Gellman (Eyestalk, KerTak) Mike Costello (Warlord, Oxidator, Halsey)

Jessica Robertson (Blast Furnace, Carrion Roost)

Wayne Bell (Legionnaire)
Jason Henderson (Forger, Admiral

John Finan (High Counsel, Galiot, Propulsion Lab)

Mike Bradecich (Monolith, Steele) Jim Canning (Trireme, Helion Veil, Hull Factory) Tim Bauer (Oracle, Tender)
Dave Jarrot (Polaris, Proteus,
Long Range Sensor)
Eric Hanshaw (Procyo, Missile
Cruiser, Smirnoff)

Sarah Richardson (Infiltrator) Eric Peterson (Corvette)

Joseph Fotinos (Supply ship) Sean Barton (Laser Turret) Ashley Galaway (Terran

Computer)

Clive Reville (Hawkes)
Peter "Moco" Marquardt (Vivac)
Ken Webster (Citadel, Natus,
Fleet Carrier)
Christoper Lee (Anvil.

Headquarters)
Patrick Bradshaw (Munitions

Annex,
Displacement

Gray Haddock (Turbine Doc, Blanus, Battleship) Martin Galway (Portal, Ion

(annon)

Dan Jennings (Elan, Dreadnought)

Mike Foster (Aurora, Pavilion, Academy)

J.C. Shakespeare (Blackwell,

Bunker, Celareon computer Light Shipyard, Marine Trainina)

David Stokey (Atlas, Sentinel, Heavy Shipyard)

Steve Metz (Taos Scout, Hydrofoil, AWS Truitt Ray Stratum, Eutromill, Space Station)

Adam Dudley (Acropolis, Starburst, Talorean Matrix, Lancer)

Clayton Murrell (Celareon Jumpgate, Joule, Fabricator,

Takei)

Others who contributed a line here and there;

Thomas Mauer, Jamie Wiggs, Drew Mobley, Arvee Garde, Jason Yenawine, Evan Brandt, Lara Foss, Amy Hughes, & John Thomas

The Conquest Team would like to thank:

Jared Carr **Gary Gattis** Dan Orzulak John Moore **Gary Boswood** Jake Rodgers Pauline Saab Alex Toader **Brad Doan** Mike Cahill **Buck Wall Rob Smith Ed Fries** Stuart Moulder Danan Davis Ken Smith

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Larry Carlson
Jason Cawthorne
Tony Clifton
Gov. Jesse Ventura
Rich Lawrence
Jim York
Paul Bleisch
Kenneth Baird
Adam Joseph
Harry Jarvis
Andre Garcia
Paul Isaac
Andrew Sega
Travis Lee-Paul
Jim. Patty. Dave and Linda

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SURREY. KT13 8DV.

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