

<http://www.replacementdocs.com>



DARK REIGN™

THE FUTURE OF WAR

ACTIVISION.

AGES 18 AND UP



CONTENT RATED BY ESRB

The use of this software product is subject to the terms of the enclosed Software License Agreement. You must accept the Software License Agreement before you can use this product. The Mission Construction Kit contained in the product is provided strictly for your personal use. The use of the Mission Construction Kit is subject to additional license restrictions contained inside the product and may not be commercially exploited.

For centuries man has viewed the universe as a series of puzzles. Within the molecule we found the atom, and within that the proton, and the quark, and the xion. And deeper we delved, finding another puzzle within every one we solved, never finding the answer we sought, but never questioning our method of searching. We have organised and compartmentalised our knowledge until it no longer serves us. Instead we serve it. We study physics and math and philosophy and religion and never realise that they are all the same. The monk and the physicist are searching for the same understanding. They simply use different tools. In every breath of the wind, in the graceful ellipse of a planet's orbit, in the precise genetic abacus of DNA, in the awesome power of a supernova, in all these things I hear the voice of God. To truly advance human wisdom, we must learn to see the whole of things. This Foundation will strive to do just that. I am within reach of a discovery that will open the very soul of matter to my control. Together we will bring a new age to mankind. Together we will transform the universe and reveal the face of God.

- Alpheus Togra, at the dedication of the Togra Foundation, 2382

TABLE OF CONTENTS

INTRODUCTION	3
SYSTEM REQUIREMENTS	8
INSTALLING DARK REIGN	9
STORY	19
GAME PLAY	30
MAIN MENU	
THE BRIDGE	
LOADING A MISSION	31
LAUNCHING A MISSION	31
TRAINING	32
ARCHIVE	32
GAME CONTROLS	32
SAVED GAMES	33
AUDIO	33
SPEED	33
OPTIONS	33
BASIC MOVEMENT & COMBAT	34
GETTING AROUND THE MAP	34
SELECTING & MOVING UNITS	34
TARGETING & ATTACKING	35
GROUPING UNITS	35
UNIT STATUS	35
LINE OF SIGHT & THE FOG OF WAR	36
COMBAT ENGINEERING	36
BUILDING STRUCTURES	36
BUILDING UNITS	38
FUNDING YOUR WAR MACHINE	39
POWER	40
REPAIRING BUILDINGS	41
SELLING BUILDINGS	42
POWER UP/POWER DOWN	42

UPGRADING	42
ACCELERATED PRODUCTION	43
THE MINIMAP	44
ADVANCED TACTICS	44
REPAIRING & HEALING	44
MORPHING	45
PHASING	46
CAMOUFLAGE	46
SABOTAGE	46
STEALING PLANS	47
SHIELDING	48
SELF DESTRUCT	48
MOBILE BUILDINGS	48
DECOYS	48
SPECIAL ATTACKS & MANOEUVRES	49
Attack	49
Attack without Moving	49
Stop	49
WAYPOINTS	50
Basic Waypoints	51
Advanced Waypoints	51
ORDERS	52
KEYBOARD COMMANDS	55
MULTI-PLAYER	61
MODEM PLAY	62
SERIAL/NULL MODEM GAME	63
INTERNET & LAN	63
MINIMUM INTERNET REQUIREMENTS	63
SELECTING AN INTERNET SERVER	63
SELECTING A GAME	64
SETTING UP AND LAUNCHING	64
HOST CONTROLS	65
FEATURES & COMMS MENU	67

UNITS	70
UNIT MOVEMENT TYPES	70
COMMON UNITS	71
FREEDOM GUARD UNITS	73
IMPERIUM UNITS	81
BUILDINGS	88
FREEDOM GUARD BUILDINGS	89
IMPERIUM BUILDINGS	93
CONSTRUCTION KIT	102
MAKING A MAP	102
ELEVATION	103
OBJECTS	104
BUILDINGS & UNITS	104
ORDERS, PATHS, OBJECTIVES, & AI	105
CREDITS	106

MINIMUM SYSTEM REQUIREMENTS FOR WINDOWS 95

- A 100% Windows 95-compatible computer system (including 32-bit Windows 95-compatible drivers for CD-ROM drive, video card, sound card, and input devices).
- Windows 95 operating system (English Language Version)
- Processor Type: Pentium 90 MHz
- 16 MB RAM
- Hard disk drive with 110 MB of uncompressed space
- 16 bit colour (640 x 480) VLB or PCI video card with 1 MB of RAM
- 100% Microsoft-compatible mouse
- 100% Sound Blaster-compatible sound card

Please make sure your computer system is 100% Windows 95-compatible. *Dark Reign* is not compatible with Windows 3.1 or other operating systems.

Note: For *Dark Reign* to operate best, it requires that your system have the latest Windows 95 drivers for your CD-ROM drive, sound card and video card. If you have any problems running the program, older sound or video drivers are the most likely problem.

If you need help on how to obtain the latest sound and video drivers, check out our Technical Help file. Just press the **More** button on the Dark Reign title screen (the title screen displays shortly after inserting the Dark Reign CD into your CD-ROM drive), then click the **Help** button. We have supplied a list of major computer hardware companies and their telephone numbers. You can find them listed under Vendor List. This file has a lot of other helpful information on installation and system setup, as well as game-specific technical help.

1. Before installing, close all other applications. Also make sure Virtual Memory is on (located in your System Control Panel).
2. Insert the Dark Reign Disc (Install CD) into your CD-ROM drive and wait a few moments until the Dark Reign title screen appears. (If the title screen does not appear, please refer to "AutoPlay" in the Troubleshooting section.)
3. There are several buttons on the title screen. Click the **Install** button to begin the installation process and then follow the on-screen instructions.
4. After the Dark Reign setup is complete, your computer will install the Microsoft DirectX 3 drivers if you do not already have them. When DirectX 3 installation is complete, you will need to restart your computer for the new drivers to take effect. For more information on DirectX 3, see page 11 of this manual.
5. Now you can run *Dark Reign* by choosing **Programs/Dark Reign/Dark Reign** from the Start menu. Make sure you have the game disc inserted in your CD-ROM drive. This is required to play *Dark Reign*.

ONLINE HELP

We have supplied a technical help file that can help you to troubleshoot problems. There are three ways to access this help file:

- Right-click on the Dark Reign CD icon and select **Help**.
- From the title screen, click on **More** and then **Help**.
- After installation, from the Start menu, select **Programs/Dark Reign/Dark Reign Help**.

AUTOPLAY

If the Dark Reign title screen does not appear, try performing the following steps:

1. Double-click on the **My Computer** icon on your desktop or right-click on the icon and choose the **Open** option.
2. Select the **Refresh** option located in the View pull-down menu.
3. Double-click on the **Dark Reign CD** icon in the window or right-click on the icon and choose the **AutoPlay** option.
4. After the Dark Reign title screen appears, click on the **Install/Play** button.
5. If the AutoPlay feature does not function, please check the following:
6. Make sure the CD is clean and properly placed in the CD-ROM drive.
7. Your CD-ROM driver may not be optimised for use with Windows 95. To verify this, perform the following steps:
 - a. Open the Windows 95 Control Panel folder and double-click on the **System** icon.
 - b. Click on the **Performance** tab. If any of your hardware drivers are not fully optimised for use with Windows 95, they will be listed here with an explanation of the exact problem and suggestions on how to fix it.

ANSWERS TO COMMONLY ASKED QUESTIONS

PROBLEM

SOLUTION

PROGRAM WON'T INSTALL

You may have insufficient hard disk space for the program to copy the files it needs from the CD to your hard drive. Free up more hard disk space.

GAME DOESN'T START

This problem may be caused by lost clusters on the hard drive. Run SCANDISK to determine if this is the problem. See your Windows 95 manual for more details on SCANDISK.

MOVIES DON'T PLAY PROPERLY

- Make sure your system meets the minimum requirements for the program, especially your CD-ROM drive. The program requires a CD-ROM drive with a minimum sustained transfer rate of 600Kbps (a quad-speed drive). If you don't have a quad-speed CD-ROM drive, you can still view the movies by doing a "Large" install. This will load the movies to your hard drive.
- You may not have enough RAM to run movies. Check to make sure you have sufficient RAM to run this product. Dark Reign requires a minimum of 16 MB.
- Too many other applications may be running. Close down other applications (especially DOS boxes or modem programs) and try again. We strongly recommend that you not run other applications while running Dark Reign.

PROBLEM

SOLUTION

GAME FREEZES

- Make sure your computer has a minimum of 16 MB of RAM.
- Make sure you are using Windows 95 with the latest 32-bit drivers for all your peripheral devices.

NO SOUND, PARTIAL SOUND, OR NO VOICES OR SOUND EFFECTS

- Make sure you have a 100% Windows 95 (Sound Blaster) compatible sound card in your computer.
- Make sure your speakers are plugged in correctly and turned on, and make sure the volume is turned up to an audible level.
- Make sure you are using the latest Windows 95 32-bit sound drivers for your sound card.
- Make sure your audio card is properly installed and that you have the correct audio drivers installed. Check your audio card's installation and its setup parameters within Windows to be sure all is correct. See your card's manual and your Windows manual for details.

GAME TOO SLOW

- Make sure you are running Dark Reign on a Pentium 90 or higher system. The game will not run on a 486 or lower system.
- Make sure you have no other applications running in the background.

A man with only the humblest of means
will cling to life like a leech on a pig's ass.
But a man with nothing cannot know fear."

- Unknown Freedom Guard Soldier

THE DECLINE OF EARTH

In the opening centuries of the third millennium, Earth's population continued to swell at a staggering rate. By 2250 the planet held over 30 billion people. Earth's scientists raced to offset the strangling effects of population. Massive hydroponic agricultural domes dotted the landscape, increasing food production exponentially. Methods for large scale, economical water desalinisation were developed. High altitude aircraft hovered at the crown of the atmosphere, releasing chemicals that slowly built up eroded areas of the ozone layer. In spite of these advances, the frenetic growth of humanity continued to strain Earth's resources to their limit. Pollution became unmanageable. Thousands of pounds of nuclear waste were set adrift in space every year. Air pollution was so severe in many major cities that in 2267 the European Environmental Council estimated that one of every nine urban dwellers died by the age of 30 from lung related diseases.

Millions began living in massive urban complexes which contained air filtering and water purification facilities. These structures, as large as ten miles square, contained housing, commerce and entertainment for their occupants, and many people remained inside for years at a time. Wealth had become extremely polarised, and life was increasingly arduous for the majority of the populace who could not afford the safe confines of the complexes. Criminals banded together like small armies and in some areas had more control over the streets than the police.

In 2314 most of the Earth's major nations allied to quell the rising tide of crime within their borders. The Global Commonwealth established a rudimentary dome colony on Jupiter's moon Io and began shipping violent criminals there. Heavily armed Commonwealth forces seized criminals in the streets and poured them into processing facilities. After quick assembly line trials, those deemed "dangerous and irredeemable" were shipped to the penal colony on Io to live out the remainder of their lives. The experiment was extremely successful politically. An international regulatory body, the Jovian Detention Administration, was established and granted primary claim to all prisoners. The JDA also had an autonomous police force that by 2362 was the largest standing army in the world. By 2400 almost a million people were expelled to Io annually. Additional colonies were added on Callisto and Ganymede, as well as on Neptune's moon Triton. Although some felt that the enterprise had little to do with meting out justice and was simply an escape valve for population runoff, the program was very popular, and the JDA had come to hold more political and military sway than any single world government.

In 2447 a rocket containing nuclear waste for deep space disposal malfunctioned and crashed near Bombay, killing over four million people in the first few months. Food stores were contaminated across the continent. Resulting worldwide famines led to widespread rioting and organised assaults against fortified urban complexes where food supplies were not seriously affected. The JDA, which by this time was the de facto global government, stepped in to suppress the uprisings, but it was becoming clear to world leaders that the future of Earth was bleak. Interplanetary colonisation, however, was a dangerous and arduous affair. A large private campaign to promote colonisation by the Ramsdell Corporation in the early twenty-third century had resulted in thousands of deaths and only a few scattered ramshackle societies. The prisoner colonies, while self-supporting, were barren, desolate outposts. Few private citizens were willing to confront the hazards of colonisation.

The acting president of the JDA, Edward Dalen, negotiated a deal with the residents of the four penal colonies. In exchange for exploring and colonising new worlds for Earth's inhabitants, the prisoners would be granted their freedom. The prisoners were expendable and experienced at living off-world. Although counting on the off-world prisoners was less than popular, the citizens of Earth were willing to attempt somewhat desperate measures. Dalen realised that control of Earth's sole implement of colonisation, in addition to the political and military influence he already wielded, would place the JDA in a position of near absolute sovereignty. Dalen also had no intention of ever releasing the prisoners. He knew they would never be accepted into the societies on the Earth-based colonies, and they were too independent and well organised to be given their own planet. They had shown surprising resourcefulness on the prison colonies. Rather than slipping into violence and chaos as expected, the prisoners had developed efficient, productive communities with the limited means provided them. Dalen knew this would make them able pioneers, but he also realised they would represent a threat to the JDA if ever given their autonomy.

THE PIONEER AGE

Scientists quickly located a number of promising host planets in Earth's sector of the galaxy. The Exploratory Corps, as the prisoner colonists were called, set out in massive cargo vessels, each the size of a large city, loaded with provisions, robotic terra-forming machinery, and enough genetic material to recreate self-sustaining ecosystems. Dalen provided the prisoners with only enough water for a few years so that if they could not prepare their planet for habitation within that time they would perish. Although some worlds proved unable to support life, and thousands of the Exploratory Corps died, a handful of worlds were soon ready and the first Earth settlers began to inhabit their new homes. The Corps, when finished with one planet, were picked up and transported to the next. The JDA moved into each new world and established themselves as the governing body and policing force. They assumed control of each planet's water supply and instituted water rationing. Some planets did not have large enough viable water sources to support their populations, so those worlds with excess water were required to give up their surplus. In fact, there was more than enough water, but the JDA's control of water distribution gave them unchallenged leverage over the individual governments established on each planet. The JDA began stockpiling the excess water in huge, asteroid-sized storage tanks orbiting a number of undeveloped worlds.

The Exploratory Corps pushed deeper into the galaxy, with mankind trailing behind, seeping into every crack the Corps opened. Hungry from centuries of limited space and resources, the human race devoured the galaxy. Within a generation a hundred planets were inhabited. Within two generations, a thousand. The JDA declared itself the official galactic government and was renamed the Imperium. Although some worlds chafed at the Imperium's continued dominion over all water supplies, none defied them.

THE MARKED

In 2507 a regiment of Exploratory Corps aboard an Imperium cruiser en route to a new colonisation assignment mutinied, seizing the ship and abandoning the crew on an undeveloped world. The dissidents then took refuge on a nearby planet, Teron, whose populace had grown tired of the Imperium's ever increasing demands on their water supply. An Imperium fleet was quickly dispatched to the planet and determined the city in which the stolen ship had landed. Three regiments of Imperium infantry descended to the planet and seized the city. The ship was located, and the Corps members

guarding the ship were tortured until they revealed the location of the rest of their unit. The remaining Corps personnel were tracked down and all were killed in an open courtyard. The Imperium left the city intact, but a sizable force of Imperium troops remained on Teron, and the planet's water ration was halved.

The Imperium's ruling Directorate feared that similar incidents would continue to occur, and determined to institute a more decisive means of controlling the Exploratory Corps. Imperium geneticists had been developing enzyme keys which, when injected into the bloodstream, could crack and alter the DNA code of every cell in the body in a prescribed manner. Exploratory Corps personnel had been receiving periodic injections of these substances to improve their immunity to alien bacteria and other microscopic life forms encountered while colonising new worlds. In response to the Teron incident, a new, more ambitious strain of genetic keys were developed which created a chemical clock in the brain stem that caused life functions to cease at the age of 25. These agents were systematically introduced into all Exploratory Corps members along with the standard immunity treatments. In addition, the changes in the genetic code made the left eye of each member of the Exploratory Corps completely black. In this way, the Imperium could easily identify Exploratory Corps members and make it nearly impossible for them to escape. In addition, the fact that they would only live to the age of 25 would make it difficult to organise any sustained effort at rebellion.

The scheme was more successful than anticipated. Within a few decades, the Exploratory Corps came to be known as the Marked and began to think of themselves as cursed. There were no further outbreaks of violence, and the Marked largely gave up hope of ever being granted their freedom. As the business of colonising the galaxy became less risky and less vital, the Marked, who were now viewed as a separate caste from the rest of human society, were used to perform many of the menial tasks needed by humanity. In time, many among the Marked did not even believe they deserved to be free.

THE DAWN OF WAR

In the late twenty-sixth century, an extraordinary boy, Perigil Ilacas, was born to Marked parents. Living in the household of a noted educator, Lajos Cardat, for whom his parents worked as servants, young Ilacas spoke seven languages by the age of five and was versed in a number of sciences. As the parents approached 25, they made a deal with Cardat, who was sympathetic to the plight of the Marked, to raise the boy as his own. Only in this way could Ilacas continue his education. To pass the boy off as a citizen, his mark would somehow have to be removed, but the marks had been engineered to be resistant to removal, even by techniques such as tissue replacement. Once the new tissue was accepted by the body, the enzymes keys, which remained in the bloodstream of every marked human, would simply alter the new cells, and the mark would reappear. Cardat arranged for the boy's eye to be removed and replaced with a cybernetic replica, a procedure that was extremely expensive and, if discovered, would have resulted in death for all involved. By the age of 19, Ilacas had become a leading scholar in the field of genetics. Although he never told his adoptive father, the real motivation behind his study was to uncover the genetic basis for the mark.

Ilacas eventually found the enzyme keys that were responsible for the differences in the DNA and deduced that these were man-made agents that had at some point been deliberately introduced into the Marked population. However, now age 22, Ilacas feared that he would not be able to discover how to counteract the keys in the few years he had left and feared also that if his research was ever uncovered by the Imperium, it would be destroyed. He decided to make his discovery public in the hope that other scientists would join his endeavour or even that public knowledge of the fact that the mark was a manufactured product of the Imperium would force them to release his people from their genetic bondage.

Within a week of the announcement, Ilacas, Cardat, and all those associated with his research were dead. However, news of the incident spread, and quickly small uprisings flared up around the galaxy. The Marked found support on numerous planets. Some viewed the Marked as mankind's pioneers who had delivered humanity from their doomed homeland of Earth. Some believed their subservience was unnecessary. Some simply saw an opportunity to throw off the yoke of the Imperium and reap the profits of their own bounty. Imperium warships were hijacked, complexes sabotaged, water convoys seized. Several planets, including Teron, raged into full revolt. The rebellion slowly grew more organised, and within a decade the Marked had become

a dedicated revolutionary army. Calling themselves the Freedom Guard, they coordinated the efforts of a hundred insurgent worlds into a unified endeavour. Although outnumbered, technologically inferior and lacking strategic strongholds, the vastness of the Imperium's domain worked to the rebels advantage. The Freedom Guard struck at strategic targets and then moved on, never facing the formidable Imperium war machine head on. After years of trying to smother the growing tide of insurrection, the Imperium found itself facing full-fledged civil war.

THE DESICCATOR

In 2618 Imperium general Gregor Trilkin approached the Imperium's Ruling Directorate and requested permission to develop a new weapon. Tired of pursuing smaller Freedom Guard forces across the breadth of the galaxy only to engage them in inconsequential skirmishes, he wanted a potent new tool to turn the course of the war. Trilkin's arms research scientists had actually already designed a devastating new chemical weapon, a catalysing compound that sheared the hydrogen atoms from water molecules. The compound then incorporated the free hydrogen atoms, thereby reproducing itself and continuing to divide any water molecules it came in contact with. The effect could be transferred through airborne water molecules and even through water in living organisms. One molecule of the compound could therefore consume all the moisture in an entire planet in a matter of minutes. The Ruling Directorate was hesitant to develop a weapon whose function was to destroy the very implement of their control, but Trilkin assured them that they would only need use the Desiccator once. Once its force was demonstrated, Trilkin claimed, the Freedom Guard would relent. Trilkin ultimately planned to use the weapon to seize control of the Imperium. With sole command of the Desiccator, the Ruling Directorate would have no choice but to submit to his authority. The Directorate Chairman, Albrach Boas, was aware of Trilkin's new weapon from several of his personal moles in Trilkin's command. He also suspected the general's intentions for the Desiccator, but needed someone to put an end to the war and knew Trilkin was the best man for the job. Trilkin was a ruthless and efficient tactician, but a predictable politician, and Boas felt he could deal with Trilkin after he had put down the Freedom Guard.

THE TOGRANS

The Togran Foundation was founded in 2382 by molecular physicist Alpheus Togra, son of Petrak Togra, the third and last Chancellor of the Global Commonwealth. Petrak's assassination in 2356 led to the Rubicon rebellions and ultimately to the demise of the Commonwealth. JDA president Grote Reber suppressed the rebellions in four short days without consulting any of the national governments involved. The JDA's position of global leadership was cemented. Reber negotiated the dissolution of the Global Commonwealth and the transfer of its remaining authority, mostly bureaucratic, to the JDA.

Alpheus, only nine at the time of his father's death, studied under his mother, physicist Gisela Togra, who won the Nobel Prize for physics in 2349 for her neutrino generator. By his early twenties Togra had surpassed his mother in reputation. His Foundation, which he established at the age of 35, was dedicated to the development of a new paradigm of human understanding of the physical universe. Togra rejected the five hundred year old reductionist approach to science. Togra believed that matter could be easily and permanently altered at the molecular level and steadfastly maintained that the necessary knowledge and tools to allow such conversion could be uncovered in his lifetime. Matter, he claimed, like all of reality, is more than a sum of its parts. His research focused on element 115, discovered in the outer planets in the early days of exploration of the solar system. Element 115 was the only stable member of the very heavy elements. Other elements over atomic weight of 92 undergo spontaneous fission almost immediately. In addition, the "strong" force in element 115, the force that binds the nucleus together, was unusually powerful and similar enough to gravity that the force could be tapped and amplified and used to make a gravity drive for interstellar travel. The drive bent space in the same way that gravity does and actually pulled the destination point to the traveller. While the peculiar properties of element 115 were accepted by most scientists, none had been able to unravel its mysteries. Togra claimed that the element represented proof that our understanding of the nature of the physical world was flawed, and claimed that by unlocking the secret of element 115, he could transform Earth, even the entire galaxy, into a paradise. Although considered one of the great thinkers of his age, Togra's obsession with element 115 was mocked as yet another megalomaniacal attempt to turn lead into gold. Togra countered "If I can tame the soul of matter, what need would I have for gold?"

A man of considerable charisma and rare genius, Togra developed a dedicated following and became a spiritual as well as scientific leader. Togra claimed that the great scientists were simply discovering what the great mystics had always known in a less literal way. He believed that inquiry into the metaphysical realm was as important to mankind's development as scientific advancement. Many of the world's leading minds abandoned their own work to join the Togran Foundation. By 2387, Foundation members numbered nearly one thousand, and Togra's work on matter conversion was making great strides. Togra became increasingly withdrawn and secretive about the Foundation's research. He suspected that several Foundation members were leaking information to the JDA. Togra stopped accepting new members and expelled three Foundationers he believed were selling his secrets. He began working entirely alone, often fasting and meditating for days at a time. He was rarely seen in public and grew increasingly paranoid.

In 2391, Togra confided to a few of his closest associates that he had cracked element 115's secret. Before Einstein it was believed that energy and mass, as well as linear and angular momentum, were each independently conserved; that is, none could be created or destroyed. Einstein showed that energy and mass were in fact interchangeable and united them under a single conservation law. Through his work with element 115, Togra found that linear and angular momentum were also equivalent to mass and energy, as well as charge, quark number, and several other variables. All of these, he claimed, are aspects of a single essence that obeys a single conservation law. The unusual nuclear forces of element 115 were due to the fact that the momentum of the electrons of its atoms were being converted to the "strong" force in the nucleus and back at an incredibly fast rate. Based on this discovery Togra was able, in a small scale reactor, to convert the angular momentum in the electrons of an atom of hydrogen into mass. He estimated that a single atom of hydrogen could produce as much matter as a fair-sized asteroid. He needed only to refine the process to make the reaction produce the desired element, and build a number of large-scale reactors to allow near unlimited matter conversion. He was certain, however, that the JDA was about to seize his research, and he decided to abandon his home planet and move the Foundation to an off-world colony. Togra claimed to have found a host planet near the galactic centre on which a habitable ecosystem could be developed within a few years. Within a generation, he claimed, they could build their own heaven. Four hundred thirty-seven Foundation members, some of the world's foremost biologists, chemists, physicists, mathematicians, doctors, and philosophers agreed to accompany Togra. Within a few months

Togra organised a small expeditionary force of cargo vessels with light warship support. Togra had expected the JDA to resist the endeavour, but they seemed to view the departure of the Foundation as simply an opportunity to be rid of some of their most influential, outspoken agitators. However, as the Togran expedition reached the outskirts of the solar system, Togra's paranoia proved valid. An attack force of JDA ships ambushed the convoy, engaging the warship escort while cutting off Togra's ship and attempting to board it. Unknown to even the other members of the expedition, Togra was armed and prepared for the attack. He killed two JDA agents and placed a small explosive device on the boarding vessel. His ship was damaged in the explosion, but he managed to escape the skirmish, leaving the remaining Tograns behind. When the remaining JDA ships realised what had happened, they disengaged and attempted to follow Togra, but no trace of him was found. The Togran vessels, without their leader but unable to return to Earth for fear of the JDA, decided to continue on to their destination and hope that Togra would somehow find his way there. A few days later the Tograns received a garbled transmission from Togra. His ship was damaged beyond repair. His navigation systems were not functioning, and he had barely managed to ditch the ship on an unknown planet.

By the time of the Freedom Wars the Tograns were merely a curious anecdote in the Imperium's Neuro-Historical Archives. However, the Tograns had flourished on their new home planet. By genetically engineering offspring, they developed a society of more than one hundred thousand within a few generations. Most of the subsistence work was done by machines, and the need for government was minimal. To avoid pollution, the Togran industrial complex was maintained in massive factory vessels that orbited the planet. Togran society grew increasingly insular and monastic. The majority of the society's resources were dedicated to scientific research, and citizens did little but work, study and pray. With disease all but conquered, the Foundation members survived for hundreds of years, pursuing the limits of human knowledge with a dedication approaching madness. However, although Togran technology far surpassed that of the Imperium worlds, the Foundation scientists had been unable to reproduce Togra's breakthrough in matter conversion.

For generations the Tograns scoured the galaxy for their lost leader but found no trace of him. Togra eventually rose to a mythical status in Togran society, and his followers stopped searching for him. They believed that their lost prophet would return to deliver them without need of their intervention, but as the centuries rolled by, Togra did not appear.

The war between the Imperium and the Freedom Guard raged across the galaxy, destroying everything in its wake. Eventually the war spread to the remote Togran home worlds. Although superior technologically, the Tograns had no experience with warfare and their society was crushed in the onslaught.

OBJECTIVE

As your planet and all you know is destroyed you escape in a solitary scout vessel. Adrift in space you encounter a probe sent by Togra himself. The probe brings you a message from Togra and the ability to transport you back in time. Centuries earlier the planet on which Togra had crash landed was consumed by the Imperium's Dessicator weapon. Unable to save himself, Togra sent out the probe with the hope that one of his followers would happen upon it and unlock the key that could save him. The probe can open a dimensional port that will transport you to the moment just before Togra was killed and provide you with the technology to create an army to defeat both of the warring factions, but the mechanism can work only once. If you are unable to accomplish the task, then history will continue unaltered and Togra's fate, as well as your own, will be sealed. The probe contains a number of recorded battles of the Imperium-Freedom Guard war. These battles will be presented to you as a series of trials. If you are unable to conquer them, if you are unable to demonstrate that you are worthy to fight the final conflict to save Togra, the probe will not transport you back in time. Togra will not allow his one chance for survival to be wasted.

To save your society. To save your lost messiah. To save yourself. You must open the dimension door and alter the destiny of a galaxy.

“**O**nly through absolute uniformity of purpose can victory be achieved. Heroism on the battlefield is as dangerous as cowardice.”

- Imperium General Gregor Trilkin

GAME PLAY

MAIN MENU

SINGLE PLAYER

Choose this option to begin *Dark Reign*. You will be given the option to start a new game, load a saved game, or load a custom scenario.

MULTI-PLAYER

To begin a multi-player network, modem or Internet game, select this option. (See page 61.)

INSTANT ACTION

Play with up to seven computer opponents. Battle against your own custom AIs. Game setup functions the same as Multi-player games except that you will not need to connect to other players with a LAN or modem.

CONSTRUCTION KIT

To design your own custom *Dark Reign* maps and missions, choose this option. (See page 102.)

REPLAY INTRO

To view the intro movie, select this option.

CREDITS

Choose this option to see the names of all the fine people who brought you *Dark Reign*.

QUIT

Select this option to exit *Dark Reign* and return to Windows 95. Are you sure that's really what you want? Think it over.

THE BRIDGE

Once you have selected Single Player from the Main menu, you will be taken to the bridge of your ship, where you can access the data stores of Togra's probe and begin your battle. You will interface the probes computers through The Cube.

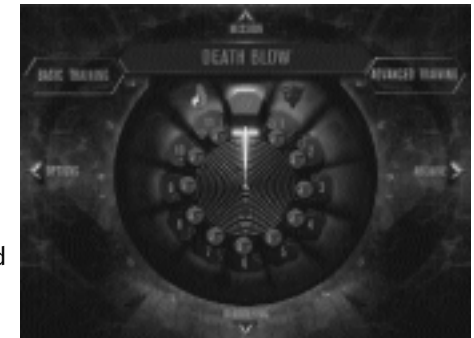
Each face of The Cube provides different information and options. The main face contains the Encryption Key and is where you will select a mission.

LOADING A MISSION

Left-click the Options button, and The Cube will rotate. From the Options screen you can save your game, load a saved game, or exit *Dark Reign*.

LAUNCHING A MISSION

Select a mission to play by left-clicking one of the twelve mission numbers surrounding the Encryption Key. You must play the missions in order, but you can play each mission from either the Freedom Guard or Imperium side. You can also always play a mission you have already completed. Each mission you successfully complete unlocks one section of the Encryption Key. When you have completed all the missions, the Encryption Key will activate and open the dimension door that will carry you to the final conflict.



Cube with Main Screen

Once you have selected a mission, press the **Mission** button at the top of the screen, and The Cube will rotate to the Mission Background screen. From this screen you will receive the historical context of the mission and select which side you want to play the mission from. Select Imperium or Freedom Guard by left-clicking on the corresponding icon in order to proceed to the mission briefing screen.

TRAINING

From the main face of the cube you can also launch the training missions. Basic Training will teach you how to play *Dark Reign*. It covers movement and attacking, building units and structures, collecting resources and using the game interface. Advanced Training is a tutor for some of *Dark Reign*'s features that will appeal to the more experienced gamer. It is recommended that you play *Dark Reign* for a while before you go through Advanced Training. Click the appropriate button to access either Basic or Advanced Training.

ARCHIVE

To access background information on the *Dark Reign* universe, press the **Archive** button.

GAME CONTROLS

Options Menu



Once you have launched a mission, press the **Menu** button to bring up the options Menu. From this menu you can load and save games, set sound and mouse options, check mission objectives, or exit the mission.

SAVED GAMES

To play a saved mission press the **Load** button, and a list of saved games will appear. Double-click on the game you want and that mission will load. To save a mission, enter a name for your saved mission in the empty slot and left-click on the **Save** button. If you want to overwrite a previous save, select the saved mission and press **Save**. To delete a saved mission, left-click on the mission you want to delete and press the **Delete** button.

AUDIO

The audio sliders allow you to set the volume levels for sound effects, music, and voices.

SPEED

You can adjust the speed of gameplay with the game speed slider. The mouse speed slider adjusts the speed at which the screen scrolls.

OPTIONS

Restate Objectives displays the mission objectives for the current scenario. To restart the current mission from the beginning, press the **Start Again** button. **Abort** ends the mission and returns you to the Bridge. Press the **Exit to System** button to exit *Dark Reign* and return to Windows 95.

BASIC MOVEMENT & COMBAT

GETTING AROUND THE MAP

With no unit or building selected, you will see a standard arrow cursor. Move your cursor to the edge of the screen, and your field of view will scroll in that direction.

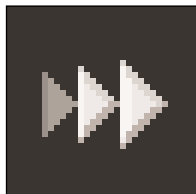
When you reach the edge of the map, the cursor will change to indicate that you can scroll no further.

To move around the map more quickly, you can click and hold down the right mouse button anywhere on the map, then move your mouse in the direction you would like to scroll.

SELECTING & MOVING UNITS

Place the cursor over a unit, and the unit's status bar will appear above it. Left-click on the unit to select it. With a unit selected, move the cursor around the map area. You will see a Move cursor over areas that unit can move to.

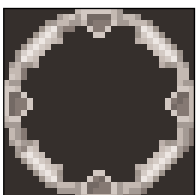
Left-click to move the unit to that spot. You'll see a Can't Move cursor over areas to which that unit cannot move. To de-select a unit or group of units, right-click anywhere on the screen. If you are uncertain of a unit's identity, simply place the cursor over the unit for a second and a label will appear above the unit indicating its identity.



Scroll Cursor



No Scroll Cursor



Move Cursor



Can't Move
Cursor

TARGETING & ATTACKING

To attack an enemy unit or structure, select the attacking unit and move the cursor over the desired target. Left-click when you see the Attack cursor, and your unit will attack the desired target. Most units will continue attacking until they are redirected or until the target is destroyed.



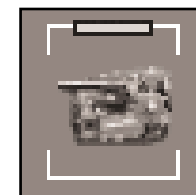
Attack Cursor

GROUPING UNITS

It will often be useful to select more than one unit at a time. To do this, left-click next to a group of units and while holding down the mouse button, move the cursor to draw a box around them. Release the mouse button, and the units are selected. All units in the group will then respond to any move or attack command you give.

UNIT STATUS

The physical condition of each unit is measured by its health status bar. To check on the status of a particular unit, left-click on its image on the map. A status bar will appear above it. The bar will display green as long as the unit's health is good. As the unit is damaged, its status bar decreases in size. The status bar also changes colour to indicate health level. Yellow represents marginal health, and red indicates critical.



Health Status Bar



LINE OF SIGHT & THE FOG OF WAR

When you start a mission, you will only be able to see a portion of the map. Unexplored

Unexplored Areas

Fog of War

regions will appear black. As you send units out to explore, the areas of the map into which they move will become visible.

Each game unit can only see a limited area around itself. This area is called line of sight. A unit's line of sight is affected by the elevation of the terrain around it. As a general rule, the higher a unit's elevation, the more of the surrounding terrain it will be able to see over. Map regions that have been uncovered but are not currently in line of sight of any unit will appear greyed out. Buildings and terrain features will continue to appear as they did when they were last in a unit's line of sight. This is known as the fog of war. When a unit returns to this area and it is once again fully revealed, you may find that conditions are very different from the view that appeared through the fog of war. An area in which you could only see a single enemy structure may have, since your last visit, become home to an entire enemy base.

COMBAT ENGINEERING

BUILDING STRUCTURES

In most missions, you will want to build up a base to support and protect your war machine. Structures are built by Construction Rigs. To start the building process, left-click on a Construction Rig unit, and the buildings that are available to be constructed will be illuminated in the build menu to the right of the map. Click on the structure you want to build. An image of the building will now appear as your cursor as you move back over the map. Left-click

on the spot where you want to build it. You can only place a building in an area with sufficient flat, unobstructed space. You won't be able to build on sloping hillsides or on top of terrain features such as trees or boulders. Your building cursor will appear red over areas where you can't build. Left-click on the spot where you wish to build, and your Construction Rig will move to the site and begin building.

It will usually take a minute or so for your building to go up, and it won't be operational until it's complete.

If you left-click on a building under construction, a status bar will show you the progress of the job.

Building types that are not yet available appear red in the build menu. Hold the cursor over the building and a text cue will appear telling you

Selected Construction Rig

Build Menu

Scroll Buttons



the prerequisite structures you need before this building can be constructed. You can cancel the construction of a building by left-clicking the **Sell/Cancel** button on the top of the screen and then left-clicking on the building whose construction you want to abort.

BUILDING UNITS

Once you have laid down a couple of basic buildings, you can begin to crank out units and wage war against your opponent. The first thing to build is a Headquarters. Once you have completed this structure, it will be possible to produce more Construction Rigs which can build other structures.



Credits
Headquarters
Training Facility
Assembly Plant

The Training Facility is the structure which produces all of your infantry. Some specialised units won't become available until you upgrade this building. Once your Training

Facility is completed, available infantry units will appear in the build menu. To produce a unit, simply left-click on the unit's image in the Build menu.

Before you can produce vehicles, you will need to build an Assembly Plant. Available vehicles will appear in the build menu when the structure is complete. As with infantry, left-click on the image in the build menu to produce that unit.

If more units are available than can be displayed in the Build menu, use the arrow buttons below the Build menu to scroll through all of the available units. You can also right-click and drag the Build menu to scroll it up and down.

All units emerge from the building that produces them. As with buildings, when units appear red in the build menu, you do not have the proper prerequisites to construct that unit. When a unit appears blue, a building that can't produce that unit is currently selected. If the latter, de-select the building, and the unit should become available in the Build menu.

If you are running low on credits and you want to stop the production of a unit, right-click on the unit in the Build menu and its production will pause. Left-click on the unit to restart its construction or right-click again to cancel production of the unit. When you cancel a unit in production, you are refunded whatever money has gone toward building that unit.

If you know you want to build more than one of a unit, keep clicking on the unit in the Build menu, and you will queue up units in the build order. When you click on the unit the second time, a small number "1" will appear above the unit's image in the Build menu. This means one unit is currently in production, and one more has been ordered and will be built when the current one is completed. Keep clicking and more units will be queued up. Watch your finances, though. Your unit production facilities will keep cranking out queued units until it has produced all the units you ordered or you run out of credits. Hold down the **Shift** key and right-click on the unit to cancel the queue.

FUNDING YOUR WAR MACHINE

The most precious commodity in the Dark Reign universe is fresh water. In order to maintain control of the resource, the Imperium has poisoned all surface water. The only remaining source of pure water is underground springs. To fund

Freshwater Spring
Freighter
Water Launch pad



your war machine, you will need to collect fresh water and transport it to a Water Launch Pad where it will be shipped off-world for credits. Every Water Launch Pad you build comes with a Freighter. When the building is complete, the Freighter will move to the nearest freshwater spring that is within your line of sight and begin hauling water to

your Water Launch Pad. When the storage tanks at the Launch Pad are full, the water will be transported off-world and you will receive your credits. You will usually want to scout for a spring before you build your Water Launch Pad. The closer your Launch Pad is to a spring, the more quickly the water will come in. Each spring begins with a certain amount of water in its reservoir, and this amount is slowly replenished. You can quickly deplete a spring by building multiple Freighters. However, once you have used up the initial water store, the spring may not replenish fast enough to keep all of your Freighters busy. You will want to find the most efficient number of Freighters, depending on how many springs you are drawing from and how far they are from your Water Launch Pad.

If you need credits and can't afford to wait for your Launch Pad to fill up, you can force a water launch by pressing the Sell Water button in the Special Functions menu or by double-clicking on the credits display at the top of the screen. However, you will be charged a fixed fee for every forced water launch, so it is much more efficient to wait for your Launch Pad to fill up.

POWER



One of the first structures you should build when setting up your base is a Taelon Power

Taelon Power Generator

Generator. All of your buildings need power to function. When your base is under-powered you lose the Minimap view, your units are produced slowly, and defensive structures fire more slowly. It is impossible to function efficiently without full power to all of your structures.

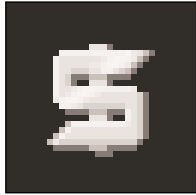
Taelon Power Generators generate power by harnessing the energy in Taelon. Each Taelon Power Generator starts with a basic power output level, but this level can be greatly increased by the addition of more Taelon. To get more Taelon, you will need to find underground Taelon resources on the map. Your Taelon Power Generator comes with a Freighter. When the building is complete, the freighter will move to the nearest source of Taelon that is within your line of sight and begin hauling it to your Generator. As the amount of Taelon in the Power Generator is increased, the power output increases. Left-click on a Taelon Power Generator to view its status bar. The bar indicates the building's current power output. If your Taelon Power Generator is at full capacity, and you still need more power, it's time to build another one. If you have enough power, your Freighter can be diverted to transport water to your Water Launch Pad.

REPAIRING BUILDINGS

To repair a damaged building, left-click on the **Repair** button on the menu bar at the top of the screen, and you will see the Repair Cursor. Place this cursor over the building you wish to repair and left-click. The building will be repaired at a steady rate until it has regained full health. Repairing costs money. Credits will be deducted from your account as the repairs occur.



Repair Cursor



Sell Cursor

SELLING BUILDINGS

Sometimes you will want to sell structures that you have built. Left click on the **Sell/Cancel** button on the menu bar at the top of the screen, and your cursor will change to a Sell cursor. Left click on the building you want to sell, and it will begin to deconstruct. You will receive a portion of the credits you spent to build the structure, but keep in mind the deconstruction process, like the building process, is not instantaneous. If you're planning to get some value out of a building that is under attack and unsalvageable, start the deconstruction process early.



Power Down Cursor

POWER UP/POWER DOWN

If you are running low on power, you may want to turn off the power to one or more of your buildings. This allows you to shut down buildings you are not currently using until you can provide more power to your base. Left-click on the **Power Up/Down Button** on the menu bar at the top of the screen. When your cursor changes to a lightning bolt, move it over the building that you wish to turn off and left-click. To restore power to a building you have temporarily shut down, just repeat the process.

UPGRADING BUILDINGS



Upgrade Button

To be able to build many of the advanced units, you will have to upgrade several of your buildings. The HQ, Assembly Plant, Training Facility and Phasing Facility are the only upgradable structures. Like constructing or tearing down a building, the upgrading

process takes time. To upgrade a building, select it. If that building can be upgraded, the price of the upgrade will appear over the building.

Left-click the Upgrade button below the Build menu, and the structure will begin upgrading. A building cannot be upgraded while it is producing a unit, and cannot produce units while it is upgrading.

ACCELERATED PRODUCTION

You can produce units faster by erecting multiple construction facilities. Cut the time it takes to produce vehicles in half by building two Assembly Plants. The rate of increase in production for multiple buildings diminishes as you build more multiples of a given structure. For example, five Assembly Plants will not make vehicles five times as quickly. If you have more than one of a structure, units will emerge from the primary facility, which you select by double-clicking on the building you want to be your primary facility.

If you don't have a building selected when you left-click on a unit in the Build menu, the unit will be produced at the primary facility and all facilities of that type will contribute to the unit's construction. However, you can also instruct multiple facilities to simultaneously produce different units. Select one of your unit production facilities and left-click on the unit you want produced in the build menu. Construction of the unit will begin and all structures of that type will contribute. Now select another facility and left-click on a different unit in the build menu. The facility will now begin producing the second unit, and all unoccupied structures will split their production between the two units. You can continue selecting structures and assigning them each a different build order if you want. All facilities without a specific build command will contribute its production resources evenly to all structures of the same type that are currently building a unit.

THE MINIMAP



The Minimap appears in the bottom right of the screen as long as you have a functioning HQ. The Minimap provides a view of the entire battlefield. This allows you to more efficiently control your forces once your domain has expanded beyond an area you can see within the main map. Left-click on

Minimap

any spot on the Minimap and your main map view will shift to the corresponding location. The white box on the Minimap indicates the area of the battlefield currently in view on the main map.

The locations of your buildings and units and your opponent's buildings and units are displayed on the minimap as dots and squares of the appropriate colours. Whatever units you currently have selected will appear white on the Minimap. The Minimap allows you to simultaneously track the movements of your units and those of your opponent in far-flung areas of the battlefield. You can even move units or groups of units on the Minimap by selecting them and then left-clicking on the desired destination on the Minimap.

ADVANCED TACTICS

Repair and Healing



Field Hospital

The health status of a damaged unit can be raised in several ways. Vehicles and flyers can retreat to a Repair Station or be repaired by a Mechanic. Select a vehicle and order it to enter a Repair Station. The unit will be repaired at a constant rate until its health returns to maximum. A Mechanic unit can be ordered to repair units or will automatically repair any damaged vehicle that is nearby. Infantry units can be healed in the same way at the Field

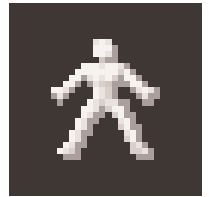
Hospital or by the Field Medic. Repairing vehicles and healing infantry are free, so it is a very valuable tactic. The Amper is similar to the Field Medic in that it will boost the health level of an injured infantry unit to its maximum. However, the Amper's effect leaves the unit poisoned, and it will slowly die unless it receives an antidote from a Field Medic or Field Hospital.



Repair Bay

Morphing

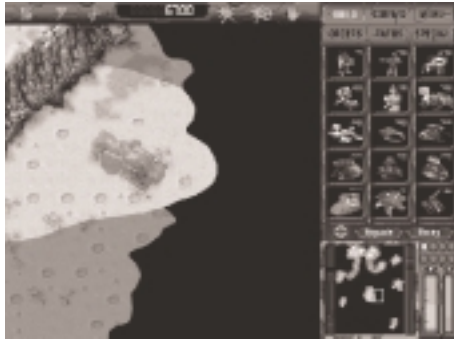
Several units can take the shape of other objects or units to camouflage themselves. The Scout and the Sniper can morph into natural objects such as rocks and trees in order to maintain a concealed position behind enemy lines. This allows the Scout to provide intelligence on enemy activity or serve as a spotter for artillery. The Sniper can pick off straggler infantry units without being spotted. The Infiltrator can morph into enemy units in order to sneak into an opponent's base.



Morph Cursor

Double click on the morphing unit to activate the function. Then put the cursor over the enemy unit or object you want the unit to morph into. When you see the Morph Cursor, left-click and your unit will assume the appearance of the selected object. You may also activate the morphing function from the special function menu or by hitting the **I** key. The Scout and Sniper can only morph into objects of roughly the same size. The Infiltrator cannot morph into vehicles. Double-click on the unit or press the **Unmorph** button in the Special Function menu to return the unit to its standard appearance.

Phasing



Camouflaged
R.A.T.

Once the Freedom Guard Phasing Facility is constructed, the Raider, Mercenary, and Phase Tank can create a phased energy shield which converts the earth around them into a semi-liquid form. This allows these units to suspend themselves underground indefinitely to hide their location. The phased units cannot move while underground and must surface to fire, but they take only minimal damage when fired at while they are phased underground. Double-click on the phasing unit or press the **I** key with the unit selected

to make it submerge or resurface. Or you can use the Phase button in the Special Functions menu. All phased units will automatically surface if your Phasing Facility is destroyed.

Camouflage

The Rapid Armoured Transport blends with the surrounding terrain to conceal its position. The unit will appear normal to the player who owns it. It is camouflaged only to enemy players.

Sabotage

The Saboteur can reduce the health of any building to half of its maximum. With the Saboteur selected, place the cursor over an enemy building and you will see the Sabotage Cursor. Left-click on the building, and the Saboteur will move to the building and tinker with it for several seconds, leaving it with only half of its maximum health. The Saboteur can never reduce a building below 50% of maximum functionality, so sabotaging a building that is already below that threshold will have no effect.



Infiltrate
Cursor

Stealing Plans

The Infiltrator is able to steal plans for enemy units and buildings. A stolen plan allows you to produce that enemy unit or building. The unit can take plans for buildings from any HQ. The Infiltrator can morph into enemy infantry units in order to sneak into the enemy's base (see page 46). Unit plans can be stolen from enemy Training Facilities or Assembly Plants. Select the Infiltrator and place the cursor over any of these buildings. You will see the Infiltrate cursor. Left-click and the unit will enter the building, and a menu of the plans available from that building will appear in your build menu. Select the plan you want, and the Infiltrator will begin the process of obtaining it. This work takes time, and the longer the unit remains in an enemy structure, the better the chance of his being detected. More valuable plans take longer to steal. When the plan has been obtained, the Infiltrator can leave the building or attempt to steal another plan. However, all stolen plans must be returned to the player's HQ before the ability to construct that unit or building is acquired. While the Infiltrator is in an enemy HQ, the player will have access to that player's line of sight.

While the Infiltrator is inside, there is a chance he will be discovered and an alarm will sound. The Infiltrator will remain in the building and continue stealing whatever plan he is taking until the player who owns the unit or the player who owns the building double-clicks on the building. This will eject the Infiltrator from the structure, whether he has finished stealing the plan or not. The same alarm will also sound when an Infiltrator leaves a building after successfully stealing a plan. This alerts the owner of the building, giving the owner a chance to stop the Infiltrator before he can deliver the plan to his own HQ. When the Infiltrator exits a building, he is automatically unmorphed.



Shielded
S.C.A.R.A.B.

Shielding

The S.C.A.R.A.B. can enclose itself in a retractable armoured exoskeleton for defensive purposes. Double click on the unit to activate or deactivate the shell. The S.C.A.R.A.B. cannot move or fire while encased in its armoured sheath.

Self Destruct

The Tachion Tank has the ability to self destruct, causing severe damage to all nearby units. If the vehicle is damaged, cornered and outnumbered, select the unit and click the **Self Destruct Button** in the Special Functions menu. This way you can be sure to take some of them out with you.

Mobile Buildings

Are Plasma Tanks crashing through the yard? Artillery fire ruining the roof? Pack up and move. Select the building or buildings that are in the line of fire and click **Pack/Unpack Building** in the Special Functions menu. The structures will load up into big moving vehicles so you can take them and set them up somewhere else. Buildings do not function while being moved. Base Mover vehicles are much easier to destroy than buildings, so your moving convoy won't hold up long under enemy fire. Only Freedom Guard structures can be moved.

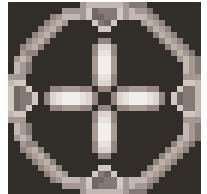
Decoys

You can produce decoys in order to deceive your opponent. The Freedom Guard is able to erect decoy buildings while the Imperium can build decoy units. Decoy buildings are cheap to produce and require no power. However, they are easier to destroy than normal buildings and serve no function except to draw the enemies attention away from your real structures. Decoy units are

holographic projections of vehicles. They are cheap, but cannot fire and last for a limited time. Decoy units can be useful in diversionary attacks or convincing your enemy that your defensive force is stronger than it really is.

SPECIAL ATTACKS AND MANOEUVRES

When you place the cursor over an enemy unit, you will see the Attack Cursor. However, there will be situations when you want to attack a target that does not present you with the Attack Cursor. For example, you do not see the Attack Cursor when you target allied or neutral units. You can attack an ally by left-clicking the **Attack** button at the top of the screen. You can then left-click on an allied unit, and your troops will attack it. You can also use the Attack button to fire on trees and rocks or to attack the ground where you believe phased units may be hiding.



Attack

Often when you give your units an order to attack, they will move to close on the target or will pursue a target that moves out of range. You may want your units to attack without breaking their position. If you have an established defensive position you don't want to move from or you don't want your units to move nearer to the enemy and get picked off, you can use the **Attack without Moving** button at the top of the screen. This will give you an Attack Cursor and allow you to target units as normal. However, when you left-click on the target, your unit will only attack if the target is within range. Your troops won't close to fire on targets out of their range or pursue fleeing units. They will simply hold their position and attack if an enemy is within range. This attack is particularly useful for artillery units.

To make a unit or group of units abort an order, left-click the **Stop** button at the top of the screen. This is handy when you need to quickly abort a command.

So you've organised your troops into formation, and now you need to move them. Select the group of units and left-click the **Formation Move** button in the Special Functions

menu. Now issue a move order, and the units will move to their destination and regroup in the original formation.

If you think you know which direction an attack is coming from, you can turn your units toward the imminent assault. This will help them to get off their first shot as quickly as possible. The effect is not great, but in battle every second counts. Select the units and press the **T** key. You will see the Turn cursor. Left-click on the point on the map you want your units to face, and they will turn in that direction.

If you get tired of scrolling back to your production facilities to get new units and bring them into the action, you can set an exit point for your unit production buildings (i.e. Training Facility and Assembly Plant). Select a building and then press the **Set Exit Point** button in the Special Functions menu. Left-click on the spot on the map where you want new units to go. Thereafter, all units produced in that building will immediately move to that location after they emerge from the production facility.

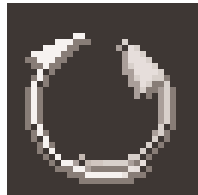
WAYPOINTS

When a unit is ordered to move, it will travel the quickest path to its destination, taking into account elevation and terrain effects. In

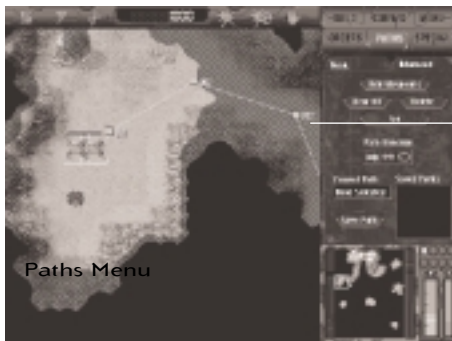
Waypoints

some situations, however, you might want to give your units a specific route to their destination. Want to sneak your Scout around an enemy base? Is there an enemy encampment between your Freighter and a freshwater spring? Need to set up a patrol

around the perimeter of your base? You can set up a path for your unit(s) to follow while you tend to more important matters. Select a unit or group of units and hit the **Paths** button, and the Paths menu will appear. There



Turn Cursor



Paths Menu

are two levels of Path management, basic and advanced. You can switch between these modes with the tabs at the top of the menu.

BASIC WAYPOINTS

Press the **Add Waypoint** button to lay down waypoints. Then click on a spot on the map where you want the unit to move first. This is the first waypoint of the path and the number "1" will appear next to it. Click again where you want the unit to move next, and a second waypoint will appear. Continue adding waypoints until the path leads to your desired goal. If necessary, you can move a waypoint you have placed by clicking and dragging it to where you want it. Now press the **Go** button, and the unit will travel along the path you set and stop at the last waypoint. If you make a mistake in laying out your path, click the **Delete Path** button and start again.

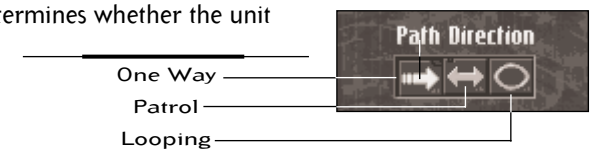
You can lay out waypoints more easily by using the Tab key. With a unit or units selected, press and hold the **Tab** key. This will put you in Add Waypoint mode. Lay out your path and let go of the Tab key, and your unit will automatically execute the path.

ADVANCED WAYPOINTS

If you want to really customise your paths, flip the toggle on the Paths menu to **Advanced**, and a number of new buttons will appear.

Delete Point removes the last waypoint you laid down. Or you can select a waypoint and delete it by pressing this button. You must then press **G** again to have your units adjust to the new path.

The **Path Direction** toggle determines whether the unit will move to the end of the path and stop, move back and forth along the path continuously or loop



around the path. One way paths are the default and are used for Basic Waypoints.

If there is a critical route on a map that you frequently send units along, make a permanent path that you can save and assign to any unit when needed. Press the **Save Path** button and lay out a path as usual. The name of the path will occur in the Current Path window. To rename the path, click on the **Current Path** window and type in the new name. To assign a unit or group to one of your saved paths, select the unit(s), then click on the name of the path in the window in the bottom right corner of the Paths menu and click **Go**.

ORDERS



Orders Menu

You can assign a variety of orders to your units that they will carry out on their own. Select a unit or group of units and click on the **Orders** button. This will bring up the Orders menu.

UNIT ORDERS

Units assigned **Scout** orders will explore the map to uncover uncharted regions but will not engage opponents they encounter. This is useful early in a mission to uncover the map without taking time to guide your units around manually.

Harass will cause your units to make hit and run attacks. Your troops will search out the enemy and launch a brief attack then fall back. This tactic is particularly effective when your units have longer range than the enemy as they will attack and then move before the enemy can close to firing range.

When you assign **Search & Destroy** orders to a unit, it will hunt the map for enemies and destroy anything it can find.

To cancel any of these orders, de-select the appropriate button in the Orders menu, or give the units a **Stop**, **Move**, or **Attack** order.

Unit Behaviours

The Damage Tolerance, Independence, and Pursuit Range settings function differently from the unit orders. They assign AI characteristics to your units that affect how they will react in a variety of combat situations. To access these variables, you will have to set the toggle at the top of the Orders menu to **Advanced**. With a unit or units selected, click the settings buttons for **Pursuit Range**, **Damage Tolerance**, or **Independence** to alter that variable for the selected units.

The **Pursuit Range** setting determines how far a unit will go to pursue an enemy that it has not been ordered to attack. On low setting, the default, a stationary unit will attack an enemy that is within its range but will not move to pursue it. Change the setting to medium and your unit will pursue the enemy for a short distance and then return to its original position. On high setting your unit will abandon its position and pursue an enemy it has engaged until one of the units is destroyed. Keep in mind that these settings only apply to situations when your unit engages the enemy on its own. When you command your troops to attack an enemy, they will always pursue the enemy until it is destroyed or until it flees from their line of sight.

Damage Tolerance determines how much damage a unit will absorb before it disengages from a battle and attempts to return to a facility where it can be healed or repaired. A unit with a maximum Damage Tolerance setting will always continue fighting until it is destroyed. This is the default setting. If you do not change this setting, units will respond only to your orders and will have to be commanded to retreat and seek repair. However, if you change a unit's Damage Tolerance setting to medium, it will automatically return to a Field Hospital or Repair Station when its health bar reaches red. At the lowest Damage Tolerance setting, a unit will seek repair when its health bar becomes yellow.

Independence determines how willing your units are to disregard an order you have issued to attack an enemy unit or building. With Independence set on low, your units will always complete their present order before attacking. If you issue a move order to a unit, and it encounters an enemy, it will continue moving and will not fire on the enemy unit. Once it reaches its destination, it will attack the enemy unit if it is still in range. In addition, a unit with minimum Independence will never attack a building without an attack command from the player. This allows you to sneak units into an enemy base without them firing on a building and warning the enemy of your presence. If you set Independence on medium, your units will continue carrying out an order that you have given them but will also attack enemies they encounter. This setting applies mainly to vehicles with turrets, which are able to fire on an enemy while continuing to move to the destination of a move order issued by the player. In addition, stationary units will fire on buildings that are within range when their Independence is set to medium. With Independence set to high, your units will abandon a command you have issued them to attack enemies that they encounter. If possible, the unit will return to the original order once the enemy has been destroyed or has fled.

The **Pursuit Range**, **Damage Tolerance**, and **Independence** settings affect a unit's behaviour simultaneously. You can experiment with the settings to discover combinations you find effective.

Two preset behaviour setups, **Stand Ground** and **Pursue Enemies**, have been provided if you want to alter the behaviour variables quickly. You can return units to the default settings with the **Default** button. If you find a combination of behaviour variables you particularly like, you can make this the default setting with the **Set Default** button. All units you produce after changing the default settings will be assigned your new behaviour variables.

KEYBOARD COMMANDS

Groups

Hitting **CTRL** and one of the number keys will assign all currently selected units to a group corresponding to that number. You may then quickly select the same group at any time by hitting that number key. Each unit can be in only one group created with the **CTRL** key. To create groups that will allow units to belong multiple groups, press the **ALT** key plus a number key.

Build Menu

The **Spacebar** brings up the Unit Build menu.

Options Menu

Hitting the **ESC** key brings up the options Menu. This menu contains the Load/Save Game, Sound Controls, Game Controls, Restate Objectives, Return to Game, and Quit Game options.

Paths Menu

The **P** key brings up the Paths menu. The **Tab** key will bring up the Paths menu and automatically enter Add Waypoint mode.

Orders Menu

The **O** key brings up the Orders menu.

Comms Menu

Press the **C** key to bring up the Comms menu. The **Enter** key brings up the Comms menu and enters message edit mode.

Special Functions Menu

Press the **Tilde (~)** key to bring up the Special Functions menu.

List Keyboard Commands

The **F1** key provides a list of all keyboard functions.

Print

Press the **Print Screen** button to save an image of the screen.

Change Music Track

Use the keypad **+** and **-** keys to move through the available music tracks.

Attack

Pressing **A** allows you to use the Attack command. Choose and select the unit that will launch the attack, press **A**, and then click on the location to be targeted. This function allows attacks on objects that do not give the player an attack cursor, such as allied or neutral units, morphed units, or even spots of ground where phased units are believed to be.

Attack Without Moving

With units selected, press **SHIFT + A** and then give an attack command. Your units will attack the target if it is within range but will not move to engage the enemy.

Decoy Buildings Menu

Hit **D** to bring up the Decoy Buildings menu.

Select All

To select all units currently on the screen, press the **E** key.

Formation Move

Select a group of units and hit **F**. When you move the group, they will regroup in the same formation when they reach their destination.

Centre

The **H** key centres the map view on your primary HQ.

Initiate special function

Hit the **I** key to activate a unit's special function.

Self Destruct

With a Tachion Tank selected, hit **SHIFT + I** to make the unit self-destruct.

Move

To give a unit a command to move to a location that is occupied by a unit or building and therefore gives you an Attack or Select cursor, press the **M** key. You can then click on the destination and your unit or units will move there.

Select Next Unit

Press **N** to scroll through all of the units in your arsenal and select the desired unit.

Go to Construction Kit

If you launch a mission from the Construction Kit, you can edit the map by hitting **SHIFT + Q**. This will move you to the Map Editor and automatically load the mission you were playing. This allows you to move back and forth easily between building your map and testing it.

Repair/Heal

Press the **R** key to activate the Repair/Heal functions of the Mechanic and Field Medic. It will also order any unit to return to the nearest Field Hospital or Repair Station to be healed or repaired.

Stop

To cancel an order and stop units from completing their task, select the units that you want to Stop and press **S**.

Scatter

Groups of units can be easy prey for area effect weapons or close combat units like the Shredder. A selected group of units can be commanded to scatter to avoid an incoming threat by pressing **X**. Scattered units will continue to carry out an attack order. Press **X** repeatedly to cause your units to continue scattering.

All empires fall. You just have to know
where to push.”

- Freedom Guard Commander Jeb Radek

After selecting Multiplayer from the Main menu, you will see the Multiplayer Connection Screen. Enter your name at the top of the screen and select the desired connection type.

INTERNET

Play with up to four other players over the Internet.

LOCAL AREA NETWORK (IPX)

Up to eight players on a LAN.

DIAL-UP MODEM

Two players, modem to modem.

SERIAL / NULL MODEM

Two players using a serial cable.

To return to the Main menu, press the **Main Menu** button.



MODEM PLAY

(Supports Two Players)

Dark Reign requires that both players' modems be at least 14.4Kbps. The game will play at the speed of the slowest modem. To launch a modem game, select **Dial-up Modem** from the Multiplayer Connection screen. This will bring you to the Modem Connection screen, where you can connect to another modem player, modify your list of players, or change your modem setup.



Modem Connection Screen

You must determine which player will dial and which will receive the call. To make a call and initiate a modem game, select a player from the list at the top of the screen and press **Dial**. To receive the call, press **Answer**, and your modem will wait for the other player to call.

To add a player to your list of available players, left-click the **Add Player** button. A window will become active where you can enter the Player's Name and Player's Phone Number. After you enter the information, left-click the **Accept** button. To change the name or phone number of a player, select the player and press the **Edit Player** button. The **Delete Player** button allows you to remove a player from the list of available players.



Modem Connection Screen with Modem Setup Window

Left-click on the **Select Modem** button to set up your modem. A window will appear where you can select your Modem Type, Com Port, Baud Rate, Dialling Method, and Modem Init String.

SERIAL/NULL MODEM GAME

(Supports Two Players)

You must first connect the serial port in the back of your computer with the other player's via a serial cable. You may need to use a null modem adaptor if your serial ports have different numbers of pins. Both computers should be set to the same baud rate.

INTERNET & LAN

MINIMUM INTERNET REQUIREMENTS

In order to play over the Internet you will need the following:

- A 28.8Kbps modem.
- Winsock 1.1 compliant TCP/IP stack (comes with Win 95).
- An account with an Internet Service Provider.

SELECTING AN INTERNET SERVER

You can choose an Internet server by pressing the **Change Internet Server** button at the bottom of the Multiplayer Game Selection Screen.

The currently selected server is displayed at the top of the Internet Connection screen. You can change the server by selecting from those available in the Internet Servers window. Left-click on a server and the server you select will appear in the Current Server window. Press the Connect button to connect to this server.



Internet Connection Screen

For additional multiplayer game information, see the Readme.txt file on your Dark Reign CD.

SELECTING A GAME



Multiplayer Selection Screen

Once you have chosen to play an Internet or LAN multiplayer game of Dark Reign, you will either create or join a game on the Multiplayer Selection screen.

Available Rooms and the Current Room are displayed in the upper left corner of the screen. Left-click on a room, and all available games and their type will appear in the Available Games window. Press the **Join Room** button to enter that room. Left-click on a game, and the players in that game will appear in the Players window. Once you have found a game you want to join, left-click on that game in the Available Games window and press the **Join Game** button. You can also create your own game or room with the **Create Game** and **Create Room** buttons.

SETTING UP AND LAUNCHING A GAME



Multiplayer Setup Screen

The Multiplayer Setup screen is where you will set game options and launch the game. There are a wide variety of game controls available on this screen. Some are set by each player, but many can be changed only by the game host.

PLAYER CONTROLS:

Player Colour- Left-click on a colour in the colour bar at the top left of the screen to select that colour. You cannot choose a colour that another player has already selected.

Select Side- Click on the column to the right of the players list to choose between Imperium, Freedom Guard, and Togran. Togran allows access to both Imperium and Freedom Guard units.

Set Alliances- The alliances column allows you to toggle between Ally (green), Enemy (red), and Neutral (yellow) for every other player in the game. The large bar shows your orientation toward each player. The thin bar above it indicates that player's orientation to you. In Teams mode, the alliances that are set on this screen cannot be changed within the game.

Select Handicap- This option allows beginning players to select a modifier that will increase their starting credits. For example, if the starting credits for a given game were 1000, a player with a 20% handicap would receive 1200 starting credits.

Select Start Location- If this option is allowed by the host, you can choose your location at the start of the mission by left-clicking on the desired point on the Minimap on the bottom of the screen.

View Rules- The Rules/Briefings & Objectives window shows the mission objectives for the game as well as any specific rules that the players agree to adhere to, like "No attacking Freighter units" or "No alliances with anyone named James."

HOST CONTROLS:

Select Computer Opponents- The host can determine whether open slots in the player list will be left unplayed or filled by computer opponents. A pull down menu in each player slot will give the options: Available, Closed, Computer Easy, Computer Medium, Computer Hard, Computer Custom AI, and Kick-out. Kick-out allows the host to eject a player from the game. The host can also determine which side the computer opponents will play and, if appropriate, which team they will be on.

Game Type- The host can choose from Normal or Campaign mode

Give Allies Money/Units- This toggle will enable/disable the ability for players to give money and units to their allies.

View Allies Resources- The host can determine whether players can view their allies' resources by changing this toggle.

Togran Units- This button allows the game creator to prevent players from choosing to play the Togran side.

Handicapping- The host can disable/enable handicapping with this toggle.

Map- Select from all available multiplayer maps. Along with each map's name is listed its size and the number of players the map is intended for.

Fog of War & Shroud- The game host can turn on and off the Fog of War and Shroud with this button.

Set Starting Units- With this button the host can determine with what units players will start the mission.

Set Starting Credits- Allows the host to determine how many credits players will begin the mission with.

Random/Fixed Start Locations- With this toggle the host can determine if start locations on the map will be assigned randomly or if players can select their start locations by left-clicking on the map window on the bottom of the screen.

Show Start Locations- The game host can set whether or not start locations will be displayed in the map window.

Display Terrain- This toggle allows the host to display the selected map terrain in the Minimap.

Rules- The game creator can enter any game rules that the players have agreed to in this text box. These rules will also be available within the game by selecting Restate Objectives. For Campaign games this box will display the mission briefing and each team's objectives.

Launch- I'll bet you thought we'd never get to this, didn't you? When you're ready to go, press the Launch button. When all players have launched, the game will start. The small column to the left of the names in the Players list indicates which players have launched.

MULTIPLAYER FEATURES & THE COMMS MENU

Once you have launched into a game, there are several gameplay options that exist only in multiplayer games. These features are accessible from the Comms menu.



Comms Menu

Alliances

You can designate your relationship (Ally, Neutral, or Enemy) to every other player in the game. This functions the same as in the player list on the Multiplayer Setup screen. If you already set your alliances on the setup screen before the mission was launched, you won't need to set them within the game unless you want to make a change. Alliances cannot be changed in a Teams game.

Give Units

If one of your allies is in trouble and is calling for the cavalry, you can give him some of your units. Select the units you want to give. Select the player you want to give them to in the left column of the Comms menu. Then left-click the **Give Unit** button. The selected units will shift to the recipient's team and fall under their control. You can only give units to players that you have designated as Ally in the Comms menu.

Give Credits

This works pretty much the same as Give Units. Select the poor deadbeat player who can't seem to get by without your help. Enter the donation amount in the window at the bottom left. Then press **Give \$**.

Messages

You can send text messages to all other players in the game. The buttons in the bottom right of the menu allow you to select whom you will send messages to. Select from All, Enemies, Neutral, Allies or None. You can also select the players you want to send to manually by checking the message column just to the right of each player's name.

The hand of man can hold the universe in its palm,
if only it can learn to unclench its fist.”
- Alpheus Togra

UNITS

Dark Reign has a number of different terrain types and elevation changes that affect unit movement in different ways depending on the unit's movement type.

UNIT MOVEMENT TYPES

WALKER

This category includes infantry and machines that walk with articulated limbs. Walkers are the only units that can climb the steepest slopes. Walkers cannot cross water obstacles, but unlike other ground units they can navigate swamps, although with a significant loss of speed.

WHEELED & TRACKED

All vehicles with wheels or treads are included in this class. These units cannot cross water or steep slopes, but they do gain a considerable speed advantage on roads and paths.

HOVER

These vehicles produce a limited anti-gravity field that allows them to hover just above the ground. Hover vehicles can cross water and swamps with no loss of speed. However, they can't climb even moderate slopes and don't gain any speed advantage on roads.

FLYER

Flying units are not affected by terrain. They can move over any map area.

Keep in mind that there are several hybrid units that combine different aspects of these movement types. These are detailed in the unit's descriptions.

COMMON UNITS

Freighter- These vehicles haul the vital resources that feed the ravenous war machine. The multi-purpose Freighter is able to carry fresh water or Taelon.

TYPE	WHEELED
SPEED	SLOW
WEAPON	NONE
RANGE	N/A
ARMOUR	HEAVY

Hover Freighter- Serves the same function as the Freighter, but its hover drive allows movement over a broader range of terrain types. It is armed with a laser cannon.

TYPE	HOVER
SPEED	FAST
WEAPON	LASER CANNON
RANGE	SHORT
ARMOUR	HEAVY

Contaminator- This vehicle can pollute and permanently destroy freshwater springs. It is slow and extremely expensive, but once you have cut off your enemies' resources, their ruin is inevitable.

TYPE	TRACKED
SPEED	SLOW
WEAPON	SPECIAL
RANGE	NONE
ARMOUR	MEDIUM





Construction Rig- The workhorse of any military operation, this unit constructs all buildings and bridges.

TYPE	WALKER
SPEED	SLOW
WEAPON	NONE
RANGE	N/A
ARMOUR	LIGHT



Infiltrator- The Infiltrator can morph into enemy infantry and is able to steal plans for enemy units and buildings. The unit can also observe the opponent's Minimap at the HQ building. Plans for units are obtained at the building where that unit is produced. The Infiltrator must return safely to his own HQ with all stolen plans.

TYPE	WALKER
SPEED	MEDIUM
WEAPON	NONE
RANGE	N/A
ARMOUR	LIGHT

FREEDOM GUARD UNITS

Raider- Stalwart of the Freedom Guard cause, the Raider is armed with a laser rifle. Once the Phasing Facility is constructed, the Raider gains the ability to phase underground.

TYPE	WALKER
SPEED	SLOW
WEAPON	LASER RIFLE
RANGE	SHORT
ARMOUR	LIGHT



Mercenary- Recruited from outside the Freedom Guard ranks, these paid guns carry a massive shoulder mounted rail gun. Highly trained and ruthless, the Mercenary is tougher and deadlier than the Raider. The Mercenary can phase once the Phasing Facility has been built.

TYPE	WALKER
SPEED	SLOW
WEAPON	RAIL GUN
RANGE	SHORT
ARMOUR	MEDIUM



Scout- Used mainly for front line surveillance, the Scout is able to morph into inanimate objects such as trees and rocks to conceal her position. The Scout is relatively fast but wears no body armour, so combat is not her speciality.

TYPE	WALKER
SPEED	MEDIUM
WEAPON	NONE
RANGE	N/A
ARMOUR	LIGHT





Sniper- With a long range electro-magnetic needle gun, the Sniper is lethal against infantry targets. Like the Scout, the Sniper can morph into objects for camouflage.

TYPE	WALKER
SPEED	MEDIUM
WEAPON	SNIPER RAIL
RANGE	LONG
ARMOUF	LIGHT



Field Medic- The Field Medic can restore the health of wounded infantry units and administer an antitoxin to counteract the effects of the Amper. The Field Medic will automatically heal damaged units that are nearby or can be directed to heal a specific unit. The Field Medic has no attack capability and does not wear body armour.

TYPE	WALKER
SPEED	SLOW
WEAPON	NONE
RANGE	N/A
ARMOUF	LIGHT



Mechanic- The Mechanic functions similarly to the Field Medic, repairing damaged vehicles in the field. The Mechanic has no attack capability.

TYPE	WALKER
SPEED	SLOW
WEAPON	NONE
RANGE	N/A
ARMOUF	LIGHT

Saboteur- The Saboteur can damage any building to half its maximum health.

TYPE	WALKER
SPEED	SLOW
WEAPON	NONE
RANGE	N/A
ARMOUF	LIGHT



Martyr- Freedom Guard soldiers who are approaching their 25th birthday, and therefore certain death, are outfitted with a high-powered explosive device and then sent screaming into the enemy to die for the cause. Sometimes soldiers not popular with their commanding officers are "volunteered" for this service before their 25th birthday.

TYPE	WALKER
SPEED	MEDIUM
WEAPON	PLASMA BOMB
RANGE	NONE
ARMOUF	LIGHT



Spider Bike- This all terrain vehicle is the cornerstone of the Freedom Guard ground force. Fast and inexpensive, it is able to tackle all types of terrain. Armed with a double rail gun, it is fairly effective against armour but somewhat vulnerable to infantry.

TYPE	SPECIAL WHEELED
SPEED	FAST
WEAPON	RAIL GUN
RANGE	MEDIUM
ARMOUF	MEDIUM





Skirmish Tank- The Skirmish Tank is the foundation upon which any successful military outfit is built. Properly accessorised, the Skirmish Tank can make a splash at an intimate midnight raid, a small summer skirmish, or even a full-scale gala massacre.

TYPE	TRACKED
SPEED	MEDIUM
WEAPON	MISSILE LAUNCHER
RANGE	MEDIUM
ARMOUR	MEDIUM



Triple Rail Hover Tank- The pinnacle of Freedom Guard armour, the Triple Rail uses hover technology stolen from the Imperium to allow movement over a broader range of terrain types. Hauling three electro-magnetic projectile accelerator cannons, or rail guns, this tank is a savage consumer of Imperium armour.

TYPE	HOVER
SPEED	MEDIUM
WEAPON	TRIPLE RAIL GUN
RANGE	LONG
ARMOUR	HEAVY



Tank Hunter- This quick, deadly vehicle emits a massive short range electric discharge. The Tank Hunter is devastating in close combat but has no ranged weapon and is vulnerable in situations where it cannot close on its prey.

TYPE	TRACKED
SPEED	MEDIUM
WEAPON	ELECTRICAL DISCHARGE
RANGE	SHORT
ARMOUR	LIGHT

Phase Tank- Using limited phasing technology, the Phase Tank can bury itself underground in order to ambush enemy units. However, the Phase Tank must surface to move or fire and can be fired upon and take damage while submerged. Although the phased energy shield surrounding the vehicle serves to protect it and minimise damage, the Phase Tank is essentially defenceless while underground.

TYPE	TRACKED
SPEED	MEDIUM
WEAPON	LASER CANNON
RANGE	MEDIUM
ARMOUR	LIGHT

Hellstorm Artillery- The Hellstorm Artillery fires a long-range, area-effect explosive. Its range is more than four times longer than any other unit. A battery of Artillery is capable of single-handedly destroying an enemy base, but, the vehicle is slow and lightly armoured, so undefended Artillery is fodder in close combat.

TYPE	TRACKED
SPEED	SLOW
WEAPON	ARTILLERY
RANGE	EXTREME
ARMOUR	MEDIUM





R.A.T. (Rapid Armoured Transport) - The Freedom Guard troop transport has the ability to camouflage itself to match the surrounding terrain. The R.A.T. is unarmed, but is able to carry up to five infantry units at a time and can move over water, although at a considerably reduced speed.

TYPE	WHEELED
SPEED	MEDIUM
WEAPON	NONE
RANGE	N/A
ARMOUR	MEDIUM



Phase Transport - Using phasing technology the Phase Transport can move up to five units at a time underground. Infantry and vehicles load into the unit at the Phasing Facility. The transport is then placed in a phased state in which it can move underground to any location on the map, although it cannot surface from under a building or water. There is no time limit on the phasing effect; however, once its cargo is deployed, the Phase Transport will automatically return to the phasing facility to be reloaded.

TYPE	UNDERGROUND
SPEED	SLOW
WEAPON	NONE
RANGE	N/A
ARMOUR	N/A

Flak Jack - A revamped Construction Rig outfitted with two shoulder mounted particle launchers. The Flak Jack salvages metal from the battlefield and converts it into microscopic metallic particles that it fires in clouds which cause sustained damage to air units. The unit has no defensive capability against ground attack, and should be protected at all times.

TYPE	WALKER
SPEED	SLOW
WEAPON	CHAFF
RANGE	LONG
ARMOUR	LIGHT

Outrider - This ground attack aerial unit is slower and less manoeuvrable than the Sky Bike, but considerably tougher and fires air to ground missiles. Deadly effective against Imperium armour, it cannot engage other air units and should be escorted by air defence units. The Outrider has limited ammunition and must re-arm at the Re-Arming Deck.

TYPE	FLYER
SPEED	FAST
WEAPON	GUIDED MISSILE
RANGE	SHORT
ARMOUR	HEAVY





Sky Bike- Using a modified Spider Bike chassis, the Freedom Guard were able to produce cheap, fast aerial units which could attack enemy ground troops and other flyers. Although quicker than the Imperium Cyclone, the Sky Bike is not as heavily armoured and is outgunned in even combat. The speed of the Sky Bike, however, allows it to dictate the circumstance of conflict. This unit fires high-velocity mini-missiles and, like the Outrider, must re-arm at the Re-Arming Deck.

TYPE	FLYER
SPEED	FAST
WEAPON	MINI MISSILES
RANGE	SHORT
ARMOUR	LIGHT



Shock Wave- A single-use unit that creates an immense earth wave that travels across the map, causing severe damage to everything in its wake. The unit is armed by double-clicking on it and then fired at an enemy target to determine the direction of the wave. The Shock Wave unit then embeds in the ground and detonates, self-destructing in the discharge. The Shock Wave is expensive and slow to build but well worth the wait.

TYPE	TRACKED
SPEED	SLOW
WEAPON	SEISMIC WAVE
RANGE	SPECIAL
ARMOUR	MEDIUM

IMPERIUM UNITS

Guardian- Known as the Guardians of Order in the peaceful era before the Freedom Guard uprising, the basic Imperium infantry unit is armed with a laser rifle and wears a powered armour suit.

TYPE	WALKER
SPEED	SLOW
WEAPON	LASER RIFLE
RANGE	SHORT
ARMOUR	LIGHT



Bion- A fearless mechanical killer, the Bion is armoured like a walking tank. This one-man cyborg death squad carries a massive plasma rifle, and can fire at both ground and air units.

TYPE	WALKER
SPEED	SLOW
WEAPON	PLASMA RIFLE
RANGE	SHORT
ARMOUR	MEDIUM



Exterminator- These infantry units are equipped with anti-gravity generators which allow them to hover over water. As infantry, they can also move over steep gradients that are generally inaccessible to hover vehicles. Exterminators are armed with chemical grenades that dissolve metal. They are very effective at attacking armour.

TYPE	HOVER/WALKER
SPEED	MEDIUM
WEAPON	CHEMICAL GRENADE
RANGE	SHORT
ARMOUR	LIGHT





Amper- The Imperium's version of first aid, this lunatic cyborg fires darts into dying infantry units that boost the target's health to full, but leave the unit poisoned so that its health will steadily decrease until the unit dies. The Amper can also be used as an offensive weapon, bringing slow death to enemy infantry.

TYPE	WALKER
SPEED	SLOW
WEAPON	SERUM
RANGE	SHORT
ARMOUR	LIGHT



Hostage Taker- This diabolical Imperium vehicle snatches infantry units, lobotomises them and converts them into Suicide Zombies. Shortly after the infantry unit is run over and captured, it is released, now under the player's control and with a high-powered explosive strapped to its back. Enjoy.

TYPE	WHEELED
SPEED	MEDIUM
WEAPON	VIVISECTOR
RANGE	CONTACT
ARMOUR	HEAVY

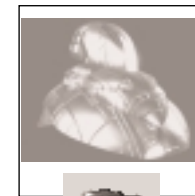


Scout Runner- This fast moving hover vehicle is armed with a laser and is fairly effective against both infantry and armour. However, it is not very sturdy, and is used primarily for front line reconnaissance.

TYPE	HOVER
SPEED	MEDIUM
WEAPON	LASER CANNON
RANGE	MEDIUM
ARMOUR	MEDIUM

Plasma Tank- Backbone of the Imperium war effort, the Plasma Tank is tough and packs a formidable plasma cannon. The Imperium overruns the enemy with endless waves of these ruinous machines.

TYPE	HOVER
SPEED	MEDIUM
WEAPON	PLASMA CANNON
RANGE	MEDIUM
ARMOUR	HEAVY



Tachion Tank- The Tachion Tank is the largest, most heavily armed beast on the battlefield. It's a ponderous mountain of havoc that has the last word in any argument. When the enemy does manage to overpower one of these juggernauts, it has the ability to self-destruct and take any nearby units down with it.

TYPE	HOVER
SPEED	MEDIUM
WEAPON	TACHION CANNON
RANGE	LONG
ARMOUR	VERY HEAVY



Shredder- A huge, hovering nightmare, the Shredder tears through infantry like a runaway saw. Although it has no ranged attack, it is fast, heavily armoured, and inflicts severe damage on any infantry units foolish enough to get near it.

TYPE	HOVER
SPEED	MEDIUM
WEAPON	BLADES
RANGE	CONTACT
ARMOUR	MEDIUM





S.C.A.R.A.B. (Self Contained Armoured Ranged Artillery Battery)- This long range weapon fires a fragmenting projectile that breaks into numerous burning particles over its target. This vehicle is slow and lightly armoured, but it can enclose itself in a retractable armoured exoskeleton when it gets in trouble. The unit cannot fire while this armour is engaged, but can weather a considerable beating while waiting for reinforcements.

TYPE	HOVER
SPEED	SLOW
WEAPON	ARTILLERY
RANGE	EXTREME
ARMOUR	MEDIUM



Invader Troop Transport- Armed with a laser rifle, the Troop Transport can carry up to five infantry units at a time.

TYPE	HOVER
SPEED	MEDIUM
WEAPON	LASER RIFLE
RANGE	SHORT
ARMOUR	MEDIUM



M.A.D. (Mobile Air Defence)- The M.A.D. fires bladed orbs at enemy air units. Like the Freedom Guard Flak Jack, it cannot fire at ground units and should be defended against land attack.

TYPE	HOVER
SPEED	MEDIUM
WEAPON	BLADED ORBS
RANGE	LONG
ARMOUR	LIGHT

Recon Drone- This small unmanned drone is lightly armoured and has no offensive capability. It is used solely to scout enemy targets.

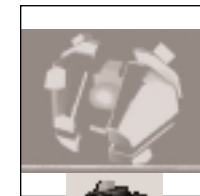
TYPE	FLYER
SPEED	MEDIUM
WEAPON	NONE
RANGE	N/A
ARMOUR	LIGHT

Cyclone- The Cyclone embodies the core of the Imperium aerial force. The unit is fairly rugged and can engage both air and ground units. However, the Cyclone's neutron cannon has a limited energy source and must recharge at the Re-Arming Deck.

TYPE	FLYER
SPEED	FAST
WEAPON	NEUTRON CANNON
RANGE	MEDIUM
ARMOUR	MEDIUM

Sky Fortress- Death from above. This floating platform of wreckage houses the largest plasma cannon known to humanity. It's slow to recharge but makes a lasting impact.

TYPE	FLYER
SPEED	SLOW
WEAPON	PULSE PLASMA CANNON
RANGE	MEDIUM
ARMOUR	HEAVY

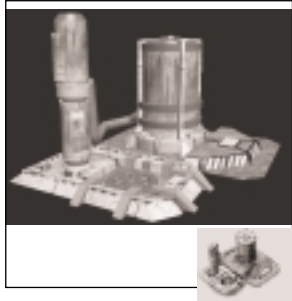


Even the lowliest of beasts knows order.
Order is the purpose of intellect.”

- Imperium Ruling Director Grote Reber

BUILDINGS

COMMON BUILDINGS



Water Launch Pad- Freighters deliver their water cargo to the Water Launch Pad, where it is shipped off planet and sold. The Water Launch Pad comes with a Freighter.



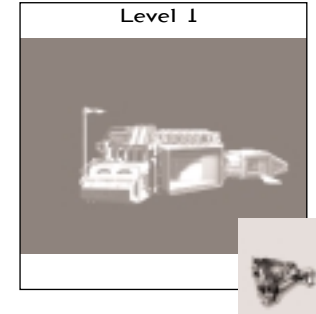
Taelon Power Generator- These structures provide power to all other buildings. Each Taelon Power Generator holds a small amount of Taelon when constructed. More Taelon can be added to increase power output. The Power Generator comes with a Freighter.



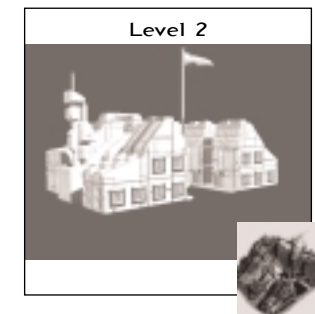
Camera Tower- This structure provides extended line of sight. Because of its height, the Camera Tower can provide line of sight over some hills that other buildings and units cannot see over.

FREEDOM GUARD BUILDINGS

Headquarters- The HQ is the fundamental building in a base. It produces Construction Rigs, which allow the building of other structures, and provides the Minimap view. The HQ can be upgraded twice to allow production of advanced buildings and units.

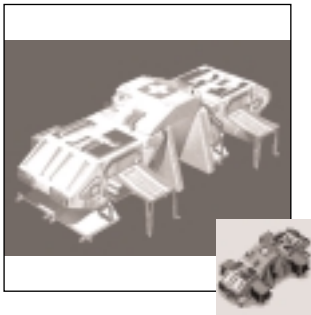


Training Facility- The Training Facility is where all infantry units are trained. The building can be upgraded once to allow production of advanced units. Multiple Training Facilities reduce the amount of time required to train infantry units.





Assembly Plant- Vehicles are produced in this structure. Like the Training Facility, the Assembly Plant can be upgraded once, and multiple buildings allow for faster production of units.

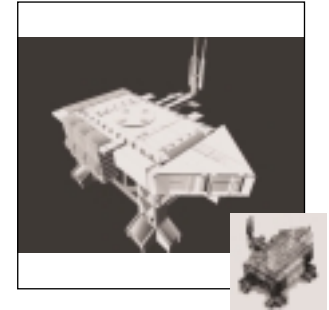


Field Hospital- Damaged infantry units can be healed at this building. Only one unit can be healed at a time.



Repair Station- This facility repairs damaged vehicles and flyers. Like the Field Hospital, the Repair Station can repair only one unit at a time.

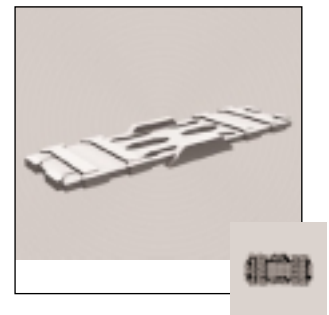
Re-arming Deck- The Sky Bike and Outrider, have limited ammunition weapons that must be re-armed at the Re-arming Deck. The structure can only outfit one unit at a time, so multiple Re-arming Decks may be needed to quickly re-arm a large number of air units.

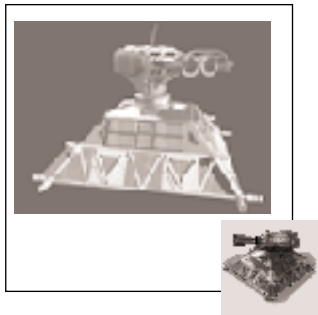


Air Defence Site- These small structures provide an effective stationary defence against aerial attack. The Air Defence Site's rapid pulse laser will bring down any air unit that lingers too long in its neighbourhood.



Bridges- Use these structures to span liquid barriers.

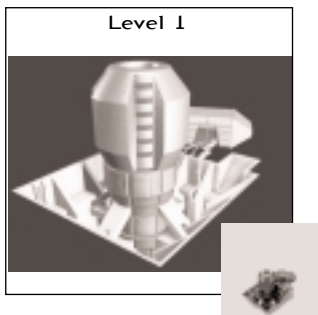




Laser Turret- This basic defensive structure provides fortification against ground attacks.



Heavy Rail Platform- Primarily an anti-armour installation, the Heavy Rail Platform is armed with multiple gatling rail cannons and makes short work of vehicles that wander into its territory.

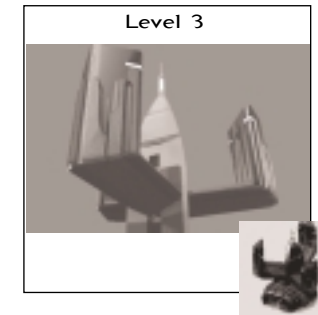


Phasing Facility- This building is required for all unit phasing functions to be enabled. If the structure is destroyed, units lose the ability to phase until another Phasing Facility is constructed. The facility can be upgraded to allow use of the Phase Transport.

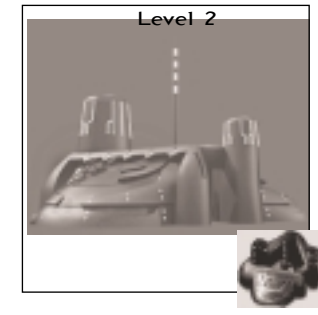


IMPERIUM BUILDINGS

Headquarters- The HQ is the fundamental building in a base. It produces Construction Rigs, which allow the building of other structures, and provides the Minimap view. The HQ can be upgraded twice to allow production of advanced buildings and units.



Training Facility- The Training Facility is where all infantry units are trained. The building can be upgraded once to allow production of advanced units. Multiple Training Facilities reduce the amount of time required to train infantry units.





Assembly Plant- Vehicles are produced in this structure. Like the Training Facility, the Assembly Plant can be upgraded once, and multiple buildings allow for faster production of units.



Field Hospital- Damaged infantry units can be healed at this building. Only one unit can be healed at a time.



Repair Station- This facility repairs damaged vehicles and flyers. Like the Field Hospital, the Repair Station can repair only one unit at a time. You will be charged for all repairs.

Re-arming Deck- The Cyclone has a limited ammunition weapon that must be re-armed at the Re-arming Deck. The structure can only outfit one unit at a time, so multiple Re-arming Decks may be needed to quickly re-arm a large number of air units.

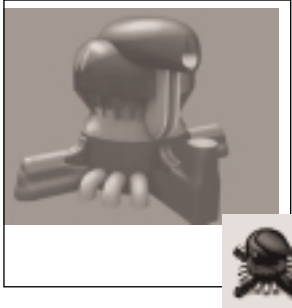


Air Defence Site- These small structures provide an effective stationary defence against aerial attack. The Air Defence Site fires bladed orbs at any air units in its vicinity.



Bridges- Use these structures to span liquid barriers.

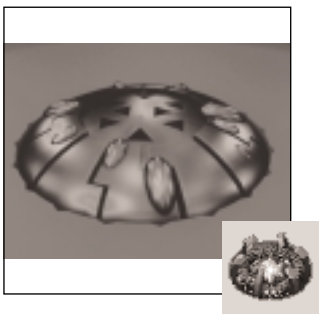




Plasma Turret- Useful for base defence, the Plasma Turret discharges a plasma cannon at any enemy unit within its range.



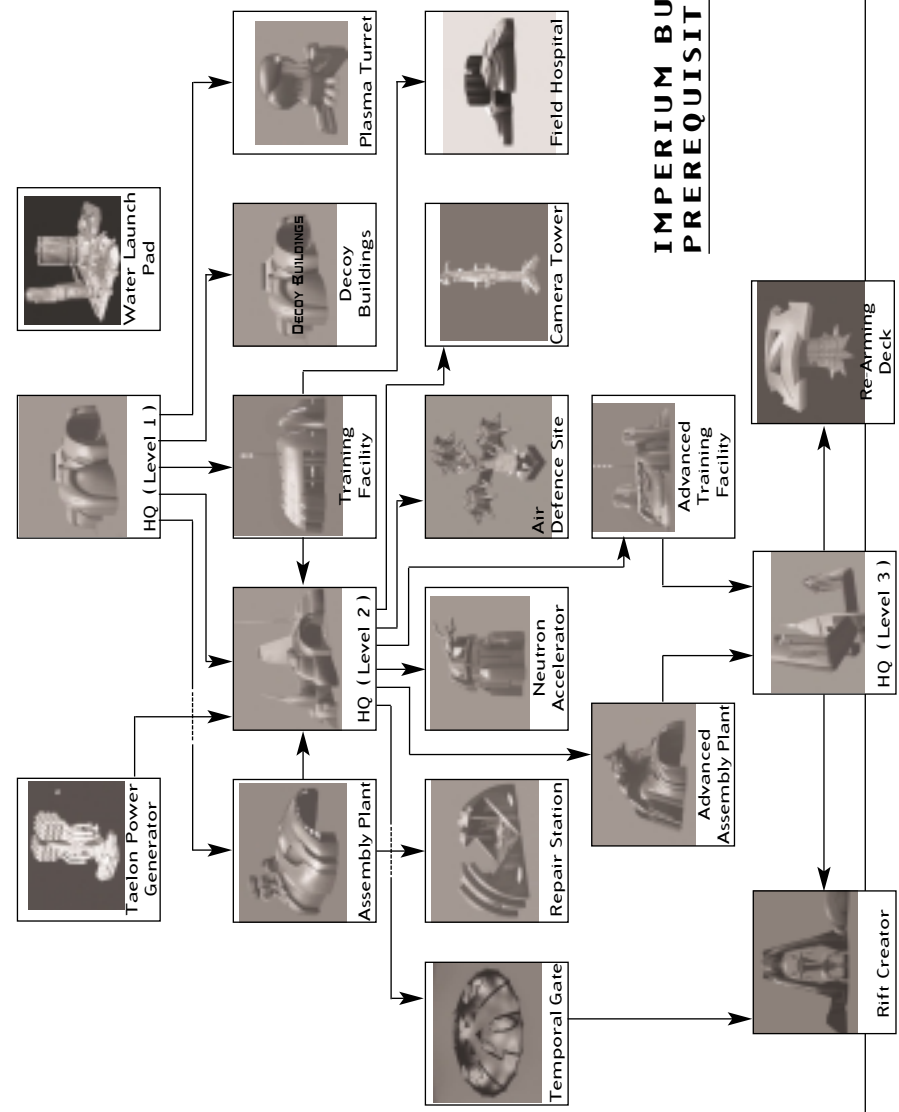
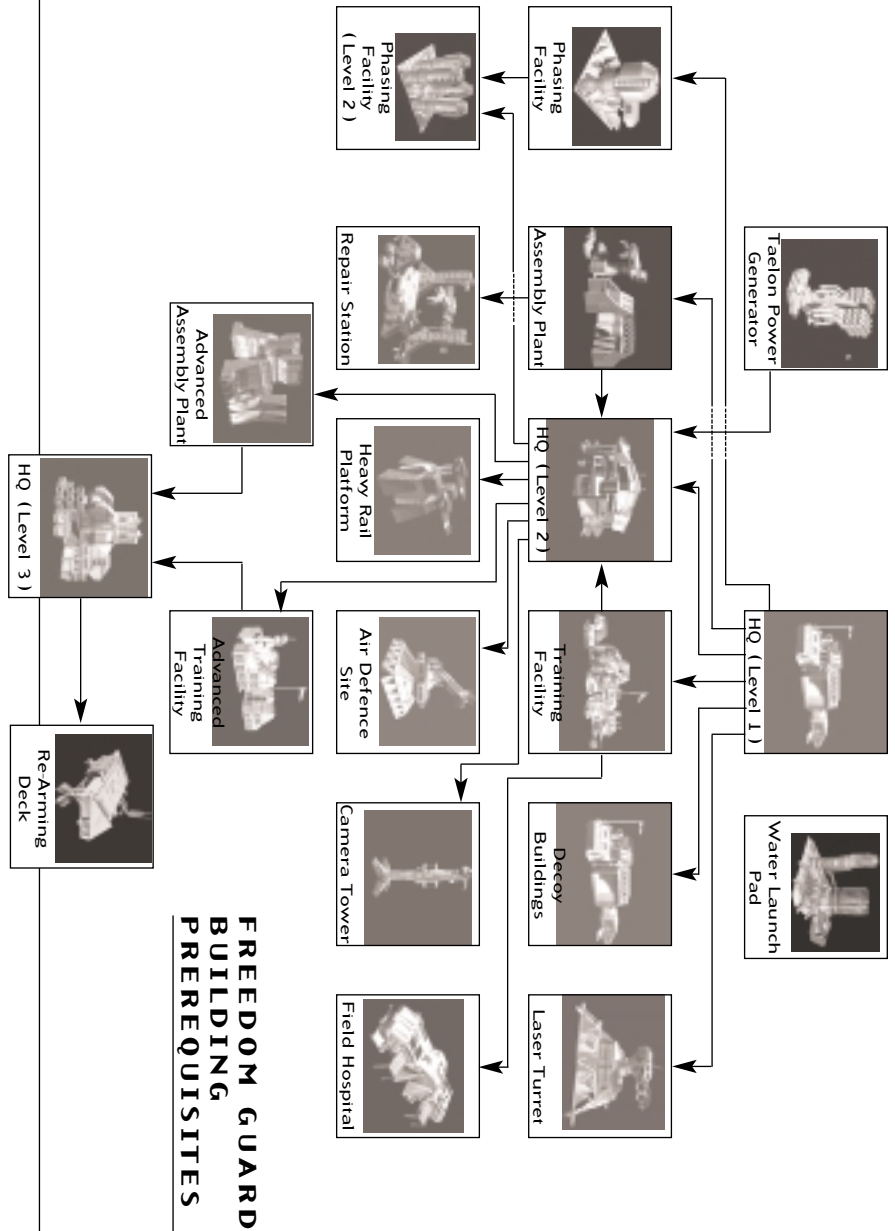
Neutron Accelerator- This advanced defensive structure fires a devastating blast of accelerated sub-atomic particles.



Temporal Gate- The Temporal Gate produces a portal in the fabric of space that can transport up to three units anywhere on the map. The effect is slow to recharge but occurs continually once the building is constructed. Units enter the Temporal Gate structure and can then be transported when the gate is charged.

Rift Creator- This structure creates a void in space that can be projected anywhere on the map. The Rift Creator uses technology similar to the Temporal Gate, but rather than moving units from one area to another, it simply drags any unit or building in its radius into nothingness. Once used, the Rift Creator must recharge before it can be employed again.





It is better that all should die than one should live in slavery.”

- Perigil Ilacas, at his execution

CONSTRUCTION KIT

The Dark Reign Construction Kit allows you to create your own game maps, as well as set mission objectives, assign orders to units, set unit values, and develop Artificial Intelligence Personalities for computer players. You can launch the Construction Kit from the Dark Reign Main menu.

MAKING A MAP

The first step in making a mission is laying out the terrain. Left-click the **Terrain** button on the top of the screen. There are a number of different tilesets you can use to create your map. Each creates a different look for your map. Choose a tileset with the arrow buttons in the Tileset box. Now you can apply ground tiles to your map. Select the tile you want by left clicking on one of the boxes in the Tile box on the right side of the screen. The tile will highlight to indicate it is selected. Left-click and hold on the map and paint the tile on the map by moving the cursor. You can change the shape of your paintbrush by selecting one of the icons in the Paintbrush box. You can also increase or decrease the size of the paintbrush with the arrow buttons in the Paintbrush box. Use the **In** and **Out** button in the Zoom box to move the map view closer or farther away.

Every tile you lay down has an altitude. You can set the altitude by left-clicking on one of the levels in the Altitude box. Whatever tiles you place will then be at that altitude. Keep in mind that elevation differences in your map affect unit movement and line of sight. If you want to lay down tiles without affecting altitude, left-click the **Altitude** button. You can also turn off the **Terrain** button, which allows you to change altitudes without affecting the ground tiles you have already placed.

Every tile has an outline, or mask. There are four available masks, which you can select in the Mask box. The differences in masks are visible only between two different tiles. Some of the masks have jagged outlines and are good for organic shapes. Others are more regular and suited to making borders that appear man-made like roads.

There are a number of slightly different variations of each tile. If you lay down a large area of the same variation, the pattern will repeat and look unnatural. Set the slider in the tile variation box to **R**, and it will randomly place one of the variations for each tile. You can also select a certain variation with the slider. Using Random mode for both Tile Variation and Mask is the easiest way to make a natural looking map.

ELEVATION

There are two tiles in every tileset that are used to indicate changes in altitude. These tiles are not available to you in the Tile box. They are used only to mark elevations. When you are finished making your map, go to the File menu and press the **Auto Ridge** button. This will apply the altitude change tiles to all changes in elevation that need them. Dark Reign uses three levels of altitude change that affect unit movement in different ways. Changes in altitude of five levels or less are passable to all units and are not indicated by a tile. Altitude changes of six to eight levels cannot be crossed by hover units. Nine level elevation changes are passable only to infantry and the Spider Bike (and of course flying units, which are not affected by terrain). It is important to use the Auto Rim Elevations feature, as elevation changes will affect unit movement whether they are properly designated or not. If you do not mark elevation changes, players will be unable to see where they can or cannot move on your map.

OBJECTS

Each tileset has a number of objects such as plants and rocks that you can put on the map to make it look more realistic. Press the **Objects** button at the top of the screen, and a menu of available objects will appear on the right side of the screen. Left-click on an object to select it, then left-click on the map to place that object.

The first two objects on the menu are the game resources, so where you place them will determine how the map will be played. For example, on a multiplayer map, if you do not give all players fairly equal access to resources, then some players may be severely handicapped when playing that map.

When laying down objects on your map, keep in mind that most have some tactical value. Units can hide behind trees and rocks. Some objects are impassable, and can be used to block off areas of the map. Scouts can only morph into objects that are roughly the same size as the unit, so Scouts would be unable to disguise themselves on a map that had no objects of the right size.

BUILDINGS & UNITS

To place structures on your map, left-click on the **Buildings** button at the top of the screen. A menu of buildings will appear. Select the building you want and which team it belongs to. You can have up to eight teams on a multi-player map. For single player missions, assign the player's units and buildings to team one and the computer's to team two. Once you have the building selected, left-click on the spot on the map where you want the building to be placed. Units can be added to the map in much the same way. Left-click on the **Units** button at the top of the screen to bring up the Units menu. Select the unit and its team and then place it on the map. Keep in mind that you need only place the units that the player or AI will start the mission with. Both computer and human players will build their own units once the mission

begins. You can move buildings and units that you have already placed on the map by left-clicking and holding on the unit and then dragging to where you want it.

ORDERS, PATHS, MISSION OBJECTIVES, & ARTIFICIAL INTELLIGENCE PERSONALITIES

You can assign Orders and Paths to units you place on the map, change unit and building variables, set custom mission briefings and objectives, and design AI Personalities for computer players. For details on these functions, see the Readme.txt file on your Dark Reign CD.

CREDITS

DIRECTOR

Josh Resnick

PRODUCER

Greg Borrud

LEAD DESIGNER

Trey Watkins

LEAD PROGRAMMER

Dr. Ian Davis

ART DIRECTOR

Rodney Walden

ASSOCIATE GAME DESIGNERS

Robert Berger
James Farley
Dave Osper

CREATIVE CONSULTANT

Ron Millar

ASSET MANAGER

Joseph Donaldson

PRODUCTION COORDINATOR

Matthew Paul

WRITER

Robert Berger

ADDITIONAL WRITING

Joseph Donaldson

PROGRAMMER

Brad Werth

SHELL PROGRAMMERS

James Anhalt
John Peck

ADDITIONAL PROGRAMMING

Dan Kegel
Jeff Landers
Dominic Weber

2D ARTISTS

Franz Boehm
Chris Guzman
Michael Groark
Lateef Priester
Roger Walco
Rodney Walden

3D ARTIST

Paul Waggoner

SKETCHES AND STORYBOARDS

Brad Thornton

ADDITIONAL SKETCHES

James Mayeda

SHELL ART

Equinoxe

Henry Cheng
Andy Chung
Brian Heins
Anthony Phung
Aryeh Richmond
Sean Ro

CUT SCENE SCRIPTS

Trey Watkins

INTRO MOVIE

Blur Studios

Ryan Berg
Steve Blackmon
Cat Chapman
Sam Gebhardt
Juan Granja
Tim Miller
Tim Montijo
Larry Paolicelli
Eric Pinkel

Duane Powell
Jennifer Rama
David Stinnett
Greg Tsadilas

SEGUE/OUTRO MOVIE

Tim Hoffman
Larry Paolicelli

SOUND DESIGN

Soundelux Media Labs

AUDIO SUPERVISOR & SOUND DESIGN

Scott Gershin
Gregory J. Hainer

SOUND DESIGNERS

Bryan Celano
Bryan Bowen
Peter Zinda
Ron Hill

VOICE OVER RECORDING AND PROCESSING

Scott Gershin
Peter Zinda

CINEMATICS MIXING

Melissa Hofmann

ADDITIONAL SOUND EFFECTS AND ENGINEERING

Michael B. Schwartz

ORIGINAL MUSICAL SCORE

Jeehun Hwang

VIDEO PROCESSING AND COMPRESSION

Chris Hepburn

AV ASSISTANTS

Brian Bright
Kenny Ramirez

QA SENIOR LEAD TESTER

Marc Turndorf

QA LEAD TESTER

Tyler Scott

ASSOCIATE QA PROJECT LEAD

Curtis Shenton

QUALITY ASSURANCE TEST TEAM

Eric Baudoin
Chris Keim
Todd Komesu
Daniel Hagerty
Clay Retzer
John Sherwood
Kelly Wand

INSTALLER PROGRAMMING

Eric Schmidt

INSTALLER ART

Jarett Farmer

HELP FILES

Ronnie Lane

VOICE-OVER TALENT

Kimberly Brooks
(Computer Voice)
Robert Berger
Greg Borrud
Stuart Calof
Joseph Donaldson
Brian Diggs
Hardy LeBel
Ron Millar
Josh Resnick
Reiner Schone
Jay Sosnicki
Mike Vaez

Localization Team

ASSOCIATE PRODUCER

Seth Gerson

PRODUCTION COORDINATORS

Brian Diggs
Nicky Kerth
Nathalie Dove

DIRECTOR OF CROSS PRODUCTION

Nathalie Deschâtres

ASSOCIATE PRODUCER, CROSS PRODUCTION

Adam Goldberg

PRODUCTION COORDINATOR, CROSS PRODUCTION

Tanya Martino

LOCALIZATION CONSULTING

Daryl Pitts
Seth Grenald

SENIOR VICE PRESIDENT INTERNATIONAL

Bob Dewar

MARKETING DIRECTOR EUROPE

Janine Johnson

SALES DIRECTOR EUROPE

John Burns

EUROPEAN DEVELOPMENT MANAGER

Simon Harris

MANAGING DIRECTOR AUSTRALIA

John Watts

GENERAL MANAGER, LATIN AMERICA

Ernie Maldonado

ASSET LOCALIZATION (GERMAN/FRENCH/SPANISH/ITALIAN)

Frederic Journoud
Tricia McKinley
Janis Shea
Larry Wade
IDOC, Inc.

TACTICS ENGINE

Auran

LEAD PROGRAMMERS

Carl Chimes
Andrew Payne

PROGRAMMERS

Gordon Moyes
Matthew Versluys
Craig Allsop
Michael Judd
Adam Iarossi

ADDITIONAL PROGRAMMING

Mike Thomas
James Podesta

ENGINE CONFIGURATION

Tristan Mott

3D ARTISTS

Lachlan Creagh
Shawn Eustace
Fiona Whipp
Jamie Lack

2D ARTIST

Brad Welch

AURAN WEB DESIGN/HELP DESK

Rachael Nixon

AUDIO

John Murphy

ART DIRECTOR

Jacob Hutson

ENGINE PRODUCER

Brendan Andrews

ENGINE DIRECTOR/TACTICS ENGINE CONCEPT

Greg Lane

**AUDIO PRODUCTION
SUPERVISOR
(SPANISH)**

Michael B. Schwartz

**VOICE DIRECTOR
(GERMAN/FRENCH)**

Charles De Vries
International Voice Localization

**VOICE DIRECTOR
(SPANISH)**

Francisco Colmenero

**SOUND
ENGINEERING
(GERMAN/
FRENCH/SPANISH)**

Bill Black
Big Fat Kitty Productions

French

2ND DIRECTOR

Xavier Nathan

**ASSISTANT TO
VOICE DIRECTOR**

Veronique Colas

RECORDING STUDIO

SpringWest

**RECORDING STUDIO
(SPANISH)**

Grabaciones y Doblajes. S.A.

RECORDING ENGINEER

Juan Hendo

VOICE TALENT

Corinne Lorain
Frank Bruynbroek
Mark Eckelberry
Christian Aubert
Xavier Nathan

Spanish

VOICE TALENT

Victor F. Miffet
Arturo Mercado
Nora Gtiérrez
Magdalena Questa
Mayleth Sierra

Nancy Mackenzie
Patricia Bolaños
Francisco Colmenero
Raúl Aldana
Genaro Vásquez
Yamil Atala
Jessie Conde
Raúl De La Fuente
Lurts Pedro Ayala
Lorenzo Ortiz
Ismael Mondragón

**Marketing,
Public Relations,
and Packaging**

PRODUCT MANAGER

Michael Radiloff

PUBLICIST

Jamey Gottlieb

**ASSOCIATE PRODUCT
MANAGER**

John Heinecke

PACKAGING DESIGN

Erik Jensen
Cindy Whitlock

**PACKAGING
ILLUSTRATION**

Blur Studio
Jeff Wack

**PACKAGING
COPYWRITER**

Veronica Milito

DOCUMENTATION

Michael Rivera
Belinda M. Van Sickle

Creative Affairs

**SENIOR
CREATIVE EXECUTIVE**

Christopher B. Hewish

**SENIOR GAMES
ANALYST**

Jonathan Moses

GAMES ANALYST

Eric Gewirtz
Brad Santos

**SENIOR VICE
PRESIDENT OF STUDIO**

Alan Gershenfeld

**DIRECTOR OF
PRODUCTION**

Scott Lahman

**DIRECTOR OF QA
AND CUSTOMER SERVICE**

Jim Summers

QA MANAGER

David Arnspiger

SPECIAL THANKS

Bill Anker
John Baker
Kirsty Barker
Rick Baumgartner
Dion Brain
Bryant Bustamante
Matt Candler
Elizabeth Capps
Christian Casparian
Sarah Cigliano
Ed Clune
Steve Crane
Scott Culbertson
Eveline Cureteu
Julian Da Silva
Marci Ditter
Graham Edelsten
Kelly Egan
Maria Flaggs
Judy Gates
Ashleigh Gibbs
Larry Goldberg
Ron Gould
Andrew Greening
Seth Grenald
Lieutenant Paul Hay
Molly Hinchey
Bob Jensen
Eric Johnson
Catheryn Kanuck
Brian Kelly
Bobby Kotick
Mark Lamia
Teresa Landgraff

Mitch Lasky
Maryanne Lataif
Lava Lounge
Suzette Lavine
Margaret Lawson
Leviticus
Ben LeRougetel
Howard Marks
Tanya Martino
Noel Maxam
Heather Maxwell
Mondo Media
Page Morris
Stephanie O'Malley
Christine Pavlina
Barry Plaga
Jean Powell
Samantha Resnick
Matt Rosenburg
Kelly Rogers
George Rose
Martin Sansing
Ron Scott
Kim Shattuck
David Silverman
Dan Stanfill
David Vonderhaar
Denise Walsh
William Westwater
Steven White
Steve Willsey
Dr. Mark Woodhouse

WAR ROOM

Rachel Lewis
William Liu
Jorge Maldonado
Michael Malone
Thomas Mix
John Nguyen
David Rodecker
Clifton Shaw
Conan Teng

**EXTERNAL PLAY
BALANCERS**

Mark Agustin
Kevin Amico
Rigel Anderson
Deidre Anderson
Jean-Ray Arseneau
Jon Bachrach
Marc Baime

Nicholas Bali
Kenneth "K.C." Baltz
David Barron
Robert Berger
Andrew Bohne
Chad Bordwell
Michael Brinton
Joey Buck
Jean-Claude "Frenchie" Bureau
Curt Burgess
Stuart Calof
Michele Case
Robert Cashman
Chris Chao
Myron Chen
John Chiu
Anne Marie Clogston
Dave Cohen
Kevin Cohen
Terry Cohen
Kevin Combs
Justin Cooney
Doug Cronkhite
Rick Culler Jr.
Justin Dahlke
Sean Daniels
Todd Dayton
Maxwell DeChant
Kevin Dorsey
Paul Dunlap
Michael Dwiell
Craig Edrington
Steve Elwell
Mark Falk
Jason Feosback
Lance Fernald
Richard Fielder
Steve Flowers
Brian Gartland
Chuck Geary
Shemek Gedek
Rich Gerow
Eric Gewirtz
Michael Gibson
Brian Grapatin
Matthew Gray
John Hamilton
Philip Hansen
Pany Haritatos
Brian Harris
John Harris
Jonathan Hemingway
Jason Henderson
Tom Hepner
Toby Herman

Joel Hills
Randal Hoekstra
Chris Huber
Bill Hutchison
John Ireton
Nic Jansma
Michael Patrick Johnson
Mark Kaelin
Ted Kao
Scott Kasai
Michael Kelly
Adam Kemp
Kenneth Kil
Eddie Klaynberg
Xaeriq Knight
Brad Kohn
Jesse Labrocca
Gary Lapidus
Tom Laverty
Howard Lee
Paul Lee
Jacqueline Lee
Jaret Lehman
Bruce LeSourd
Matthew Lewis
Larry Lieb
Charles Little
Yi Liu
Peter Lolley
Shawn Lovill
Woody Lovill
Derek Lung
Paul Main
David Mank
Irek Markowski
Robert Mason
Karl Mathias
Michael McCart
Gary McCoy
Brad McGraw
Sean McKay
Richard Mi
Eric Michard
Scott Musack
Justin Nafziger
Juan (Giovanni) Negron
Vinh Nguyen
Dean O'Donnel
Karen Oettel
Jared Ong
Richard Payne
Gary Peifer
Alexander Pelton
Ron Pepper
Mike Perla

Hoang Pham
Fred Philipp
Roderick Pommier
Alan Precourt
Tony Price
Lonnie Radford
Raevyn Ralphs
Marc Reissig
John Rekalske
David Rekalske
Mark Richards
Tim Richardson
Geoffrey Richcreek
Dan Rodrigues
Joe Ruffolo
Brant Rusch
Todd Sampson
Thevin Sattayatam
Bret Schnepf
Matt Schreiner
Bob Selby
Andy Serwatuk
Joe Shackelford
John Shackleton
Jeff Shaffer
Takeshi Shimamura
Jee Shin
Nathan Shnidman
Carl Sipp
Martin Sleeman
Marc Smith
Dakota Smith
Ryan Smolar
David SooHoo
Brent Southard
Andrew Stein
Jeff Sterck
Matt Stipes
Eric Strandberg
Leo Sutedja
Kevin Swisher
Jeff Sylvan
Dave Thomas
Andy Trapani
Chris Umali
Jack Utley
Aaron Vanek
Joel Vinyard
Brian Wade
Justin Wahlstrom
Yuzo Watanabe
Alan Wexelblat
Scott Wilkins
Todd Wilson
Timothy Wilson

Malik Woods
David Wright
John Yan
Mike Zemina
Eric Zolnowski
Jeffrey Zwelling
Jay Adams
Cory Aiken
Anthony Anzalone
Brian Bartlow
Brian Bates
Steven Beigelmacher
Robert Broglia
Brian Brushwood
Marko Buric
Terry Carl, Jr.
John Chapman
Rob Contaldi
Larry Cooper
Aaron Corcoran
Greg Crowder
Bobby Danforth
Mike Darling
Brian Decker
David Drell
Matt Duncan
Stephen Farquhar
Steven Ferreira
Brian Fisher
Jason Gentry
Joe Giddings
John Gingrich
Gary Gong
Jeff Graham
Daniel Grant
Mark Greenberg
Andy Greening
Antonia Harris
Matt Holmes
Lei Hu
David Isenor
Robert Jansen
Christopher Johnson
Darren Jones
William Jordan
Eric Junker
John Karcz
Wayne King
Randal Kinley
Deon Knecht
Eric Kristoff
Brandon LaGrange
Jon Lambert
Stanley Law
Dennis Lee

Mitch Leon
Guy Link
Cris Litvin
Michael Mancini
Todd Manion
Bryan Marshall
James McCutcheon
David Miller
Patrick Neil
Jonathan Nelson
Matt Newman
Danny Osborne
Chris Parson
Steven E. Petty
Jon Robben
Randy Rose
Douglas Roy
Kevin Saba
Dylan Savage
Steven Schulte
Michael Siegel
Joe Spina
Jonathan Taggart
Brian Taylor
Don Tulloch
Victor Vergara
Nick Vertodoulos
Todd Wagner
Nicole Williams
Alexander Wills

**BASED ON
DESIGN CREATED BY**

Greg Borrud
Chris Hewish
Josh Resnick
Trey Watkins

**BASED ON TECHNOLOGY
CREATED BY**

Auran