## nan <br> P U LS A-R -2849

RULEBOOK




## PLAYER SETUP

PLAYER COMPONENTS
Each player chooses a color. Each color has the following components:


Each player should also take a quick reference sheet. Your rocket figures, your score tile, and some tokens go to the game boards, as explained below. Keep all your other components on the table in front of you.

## INITIAL POSITIONS

Place one rocket figure of each player's color on the dice board's play-order spaces in a randomly determined order, as shown below. This determines play order during the remainder of setup and during round 1 . At the end of eac round, play order may change.
Each player and counters on the initiative and engineering tracks. These counters are stacked in reverse orde

Tokens are also used as score counters around the edge of the star cluster board. The player chosen to be the starting player begins the game with 5 points. The second player starts with 6 points. If there are more players, the third starts with 7 points, and the fourth starts with 8 . The extra points are compensation for the disadvantages of playing later in the first round.

The stacks go on the starting spaces, which are marked like this.

Three-player setup is the same. Just be sure to use the other side of the dice board. Two-player setup is explained on page 19 .


Beginning with the last player Beginning with the last player
and proceeding in reverse play order, each player chooses one unoccupied entry gate and laces one of his or her rocket figures there.
Note: In a three- or four-player game, each Dayer has 1 rocket figure on game, each space and one on an entry gate- Leave space and one on an entry gate. Leave
the third one in the box. The third one is used in a two-player game, as explained on page 19 .


## DICE PHASE

## SUMMARY OF THE DICE PHASE

Each round begins with a die roll. You use all 9 siver dice in a four-player game. In a two- or three-player game, you use only 7 silver dice.
Each player will choose two dice that will be used to buy actions during the Action Phase. The choice of dice affects players' positions on the initiotive and engineering tracks. Once ine dice have been chosen, one silver die is leff over (or three siver dice na wo-player game). This remaining die can be copied as a bonus die during the Action Phase.

## ROLLING THE DICE

The first player (the one whose rocket figure is on the first play-order space) takes
all the silver dice and rolls them. This determines the values that the dice will all the silver dice and rolls them. This determines the values that the dice will have for the entire round. Each die should be placed on the space of the dice
board that corresponds to its value.
Note: The red die is not rolled. Leave it in the black hole for now.
DETERMINING THE MEDIAN
The median value of the dice is given by the die in the middle.


Note: We give examples from a 3-player game. A 4-player game uses all nine silver dice.
When demonstrating the median to new players, place all the dice in a line in order. The median die is the one in the middle of the line.
cover all dice on that space.


With the die space covered, you can easily tell whether there are more dice on he left side of it or the right. If there are more dice on the left, move the marker one place to the left. If there are more dice on the right, move the marker one place to the right. In these cases, the marker ends up between two die spaces.

there is the same amount of dice on both sides, the marker stays where it is on a die space.


## TAKING DICE

Players take turns taking a die, beginning with the starting player. When you take a die, you move one of your two counters left or right, depending on the position of the die relative to the median marker. In general, you gef to choose whether to

Moving Your Chosen Counter
If you took the die from a space to the right of the median marker, you move your counter right. If you took it from a space to the left, you move your counter left. the marker to your chosen die.


Example:


Green takes a 2 and decides to move her engineering counter. It moves 2 spaces
II the median marker is on a die space, you do not move your marker when you take a die from that space, as shown in this example


Note: Moving to the leff on a track can be as advantageous as choosing a good die. The engineering track can earn you engineering cubes. The initiaftive track
determines play order for the next round. These benefits are received during the Production Phase. Details are on page 16.

## Stacks

If any counters are on top of yours when you move it, leave them on the same space in that same order. If the space that your counter moves onto is occupied place your counter on top of whatever counters are already there. A counter is considered to be "ahead" of any counters beneath it.

## Special Cases

You are not allowed to move a counter off the right end of the track. If neither You are not allowed to move a counter off the right end of the track.
counter has enough space to move, you must choose a different die.
If the only dice left are those which would move either counter off the right end If the only dice left are those which would move either counter off the right end
of the track, then you may choose any die and either counter. Put your counter on the farthest right space at the bottom of the stack.
If your chosen die would take you off the left end of your chosen track, then simply move your counter to the leftmost space,
If your counter is in a stack on the left end and you choose to move "left" on that track, you move your counter to the top of that stack.
Example:
Red takes a die allowing her to move 1 space left. She chooses to move on the initiative track.


## Second Die

After each player has taken one die in order, each player takes a second die in reverse order. In the examples on this page, players choose in this order: Green, Yellow, Red, Red, Yellow, Green. The first player will choose his or her second die last.
Exception: In a two-player game, each player has two figures on the play-order spaces, so they choose in that order, as explained on page 19.
In a three- or four-player game, one die will be left on the dice board. In a two player game, three dice will be left. The die or dice left on the dice board can be copied for use as a bonus die by spending 4 engineering cubes during the Actio Phase. Details are on page 15 .

## EVEN START VARIANT

- In a four-player game, set six dice equal to $1,2,3,4,5$, and 6 . Roll only the three remaining dice.

In a two- or three-player game, sef four dice equal to $2,3,4$, and 5 . Roll only the three remaining dice. Determine the median as usual.


## ACTION PHASE

## SUMMARY OF THE ACTION PHASE Modifying a Die <br> Modifying a Die

During the Action Phase, each player gets one turn, in which they perform actions using the two dice they took from the dice board. The game also offers various ways to get a bonus die for an extra action. Only one bonus die is allowed per turn. spaces, beginning with the current round's starting player.

## PAYING FOR AN ACTION

ach action in the game requires a certan die. When rou pay for the action, you se up a die with exactly that value
Example:


A die that has been used to pay for an action should be placed in the black hole to help you remember that it cannot be used again this round

解 player starts the game with 1 plus-minus die modifier token. There are ways to gain more modifier tokens during the game. These tokens can be spent $\pm \bullet \quad \begin{aligned} & \text { This token can change } \\ & \text { a die's value by } 1 . \text { For } \\ & \text { example, if you return } \\ & \text { this token to the bank, } \\ & \text { you can change a } 4 \text { into }\end{aligned} 土+\begin{aligned} & \text { This token can } \\ & \text { be spent to odd } \\ & 2 \text { to a die. For } \\ & \text { example, it can } \\ & \text { change a } 4 \text { to }\end{aligned}$ a 3 or a 5 .
Example:
Suppose you want to patent the technology in the previous example. You need 3. If you have a plus-minus token, you can spend itto turn either a 2 or a 4 into nd
and 5 . than the required value. These technologies an action with a die higher or orifer is possible to change a die to a value higher than 6 . Most actions cannot use s or 8 s , but these are eegal values for fiying your survey ship. (See page 10.) However, there is no good reason to change a die to a 0

## ACTION OVERVIEW

On your turn, you can accomplish many things:
Fly your survey ship
Develop pulsars.
Build your energy transmission array.
Patent technologies
Work on special projects at your headquarters.
A complete list of available actions is on your quick reference sheet. It is possible choose the same action more than once. The only limitation is that you need the correct die to pay for each action.

## Planets

Your ship explores planetary systems. After moving your ship, tlip over any facedown systems you visited. This will reveal new planets.
When playing with fewer than four players, some of those planets may be blocked by nonplayer colors. In a two-player game, place a token in a nonplayer color on any planet labeled $3+$. in are inree-player game, place a token a nonplayer color on any planet labeled (4) This indicates that those planets are not avaliable.
Whether you are the first player to discover a system or a latecomer, you may
owing rules
Only one token is allowed per planet.
In particular, planets labeled $3+$ are not available in a two-player game,
and those labeled 4 are not available in a two-or three-player game
If you have a station at one planet in that system, you cannot establish another station at a different planet in that system.
 Eonus is available only if you end your flight at the system and establish your station on a blue planet. There will always be at least 1 blue planet available in any undiscovered system, so it pays to get there first. If both blue and lifeless planets are available, you can't take a blue planet unless your flight ends there. Here are the rules case-by-case

If no planet is available, or if you already have a station there, then you can
establish no new station and you get no bonus.
If a planet is available, then your options depend on whether your flight is
and there or just passing through
If you fly through a planetary system, you must place your token on oken on a blue planet. Either way, you get no bonus.
token on a blue planet. Either way, you get no bonus

If your fight ends at a planetary system, you must place your token on bonus. If no blue planet is available, you establish your station on an available lifeless planet and get no bonus.
special Case: Sometimes it is possible to end at a system that you also visited earrier on the same tighn. In his case, estabish the station at the end of the tight and ignore the earlier visit.

## Exploration Bonuses

As stated above, you are eligible for a bonus when your flight ends at a planetary system and you establish a station on a blue planet. At that time, you may either take the bonus offered by the planetary system, or you may draw an exploration
bonus tile. Most exploration bonus tiles offer a random number of points. Some offer other benefits. The meanings of the symbols are explained on the back page of this rulebook.

## ,

nor a 5 will work. Thes moves The restriciion is only for one filight - that is, one die. If you do another flight in the same turn it is okay to retrace segments from a previous flight.

## Claiming Pulsars

Your survey stip can also claim a pulsar. If your fight ends at an unclaimed pulsar, you claim it by placing one of your rings
claimed, no other player may claim it or develo it.
and hay may claim ii or develop i. Spacia case: If you have already claimed 6 pulsars, you have no more claim

## Visits

Certain technologies may give you benefits for visiting a particular type of location. ou visit the locations you end at or fly through. This does not include the location af which your fight starts (unless you somehow visit it later in the flight)

## Dead Ends

ne side of the board has dead end locations. The path to a dead end location is marked by doubled flight segments. This means you can go out and back along hat path as part of one action - you use one segment for going out, and the ther segment for coming back. xample:


This is a legal fight.


Dead ends take you out of your way, but there are benefits for exploring them. Draw an exploration bonus tile if your survey ship aims a dead end pulsar or establishes a station in a dead end system. (This is in addition to any exploration bonus you may get
from the planetary system.)
xample:
In the picture above, if Blue uses a 3, he establishes stations in two planetary systems. In the dead end system, he drows an exploration bonus tile because it tile because his fight ends there.
Blue uses a 4 , he establishes stations in both systems and draws an exploration If Blue uses a 4, he establishes stations in both systems
bonus tile because one of those systems is a dead end.
If Blue uses a 5 , as shown, he draws an exploration bonus tile for establishing a station in the dead end system. Then when he returns to the other system he can take its bonus or draw another tile because his fight ends there.

## Survey Ship Summary

Move exactly as far as indicated by the die (possibly modified). Reveal any unrevealed systems you visit.
If you pass through a system, put a token on a lifeless planet there. If no lifeless planet is available, your token may go on a blue planel.
If you end your fight at a system, put a token on a blue planet and get an exploration bonus. If no blue planet is available, your token may go on a lifeless planet, but you get no bonus.
If your flight ends at a pulsar, claim it.
If you claim a dead end pulsar or establish a station in a dead end system, draw an exploration bonus tile.
"It's simple. You build a giant ring. It starts rotating in resonance with the pulsar. And then, when it tries to spin faster than light, its energy is forced into an extra dimension."

## DEVELOPING PULSARS

## Pulsar Summary

There are three steps to harnessing the energy of a pulsar:

1. Claim it.
2. Start constructing a gyrodyne.
3. Start the gyrodyne spinning.

Claiming a Pulsar
Pulsars are usually claimed by ending a flight at one, as explained in the previous section.


Some technologies and transmitters allow you to claim a pulsar. In this case, you must choose an isolated pulsar - that is, one of the pulsars that has no flight
segments connecting it Once a player clains a.
or the rest of the game. No one else can claim or都保 it. You can claim at most 6 pulsars during the game because you have only 6 claim rings.
Taking a Gyrodyne Tile
To develop your claim, you need a gyrodyne tile. As an action, you can spend one of your dice to take a gyrodyne tile from the gyrodyne board. You need a 1 fo a smail gyrodyne, a 2 for a medium gyrodyne,


However, it is often more effective to take a different action that gives you a gyrodyne tile as one of its benefits. Certain planetary systems, HQ projects, and technologies offer the opportunity to take one or more gyrodyne tiles. Someimes
the size of the gyrodyne is specified, and sometimes you have a choice.
You can take a gyrodyne tile even if you haven't claimed a pulsar yet. Keep it on the table in front of you until you are ready to use it.

## Starting Construction

You can start construction as soon as you have a pulsar and a gyrodyne tile.


A pulsar can have at most one gyrodyne, and once you have put a gyrodyne tile on the pulsar, you cannot replace it with a different one. However, you are no can begin construction at any time during your turn (or any of your future turns). Starting construction does not count as an action.
Gyrodyne Construction Awards
Because gyrodynes are the engines that drive the energy distribution industry there is a special reward for these construction projects. The criteria are You need at least two gyrodynes of the same size.
They must be on the board, that is, on pulsars you have claimed. (But if doesn't matter whether they are still under construction or are already spinning.)
The first player to meet these criteria receives 7 points. The recipient should take the 7 -point award tile from the corresponding section of the gyrodyne board. The second
player to meet these criteria for that size of gyrodyne receives 4 points and takes the 4 -point award tile.
The 7-point and 4-point awards can be given out for each size of gyrodyne. Yo can win awards for two different sizes or even all three. It is even possible to win both awards: If you have four gyrodynes of the same size on the board before any other player has more than one of that size, take the $4-$-point award tile as well. Keep the award tiles you take. In many games, they will have no further effect but some games have a technology that could give you more points for thes
award tiles at the end of the game.

## Completing a Gyrodyne

If you have a gyrodyne under construction at a pulsar, you can complete it with the die shown on the tile. Spend the die and
tip the tile over. It is now capturing energy from the pulsar.
A medium tip a smail gyrodyne.
A large gyrodyne requires a 6 .
Once it is flipped, your gyrodyne is "spinning". It will keep spinning until the end of the game, producing points for you. You receive these points during the Production Phase, as explained on page 16 .

## BUILDING AN ENERGY TRANSMISSION MEGASTRUCTURE ARRAY

## Taking a Transmitter

Your energy transmission system consists of one or more arrays of transmitters in various stages of construction. To start building, you need a transmitter tile. Each round, a different set of three transmitters is available. To take one, simply spend a die matching any of the dice printed on the tile. Place your first transmitter anywhere in front of you. To represent that you have paid that particular die cost, cover that icon

## Linking Transmitters

Every transmitter can link to another one. Some transmitters can link to two thers. The links are on the ends of the tile. Ends that can link are marked by symbol representing half a die
When you get a second transmitter, you can attach it to the first. This forms a die that you will be able to use as a bonus die once both transmitters are complete.
Transmitters link end-to-end, but they do not have to be oriented the same way. Some can be "upside-down" if you want.
Whenever you take a new transmitter, you must immediately decide whether to link it to another transmitter or whether you want it to be the first transmitter in a new array. Transmitters that are linked cannot be unlinked. And a transmitter that you decided not to lo link cannot later be added to a different array.

| $\begin{array}{c}\text { immediate benefit } \\ \text { when all costs are paid }\end{array}$ | production benefit once all |
| :--- | :--- |



## Online Transmitters

To complete a transmitter, you need to pay each cost shown on the tile. One of those dice was already paid when you took it, so that cost is covered. (Literally, should be covered by one of your tokens.) The costs can be paid in any order possibly over several rounds. Each time you pay a cost, cover it with a token. Once the final cost is paid, the transmitter provides any immediate benefit that is promised on the front side. Then it is tipped over. (Take your tokens back.) At the online - collecting and distributing power throughout the energy grid.
When you fip a transmitter tile, the links on the flip side should be the same as he links on the construction side; it is not legal to swap ends. Black half-dice on he construction side will change to red half-dice on the online side.
Some transmifters have only one die in their cost. If you take one of these, you have paid its full cost, and you tipip it immediately.
The benefits depicted on the transmitter tiles are explained on the back page of his rulebook.

## Transmitter Bonus Die

you have flipped two linked transmitters, you gain the red die formed by the Ink. It can be used as your bonus die this
is posi modifier token to make it work. You can't use a zero die on a flight, for example. However, some technologies may allow you to use a zero die to pay for certain actions.



## HEADQUARTERS



The game includes four double-sided
HQ boards which offer a variety additional actions. Players can learn he game more easily without HQ boards, so we recommend leaving hem in the box for your first game When you play without $H Q$ boards, you
should use technology boards AI, All, and All.
In a standard game, you receive a random HQ board at the beginning of the game. Your $H Q$ board is unique to your corporation, and no other player can

## Two Sides

Your randomly selected HQ board has two sides. At the begining of the game, before the dice are rolled for the first time, you must decide which side yo will use for this game. Side 1 is slightly better for building gyrodynes. Side 2 is slightly better if you plan to fly your survey ship a lot.

## The Project Pyramid

Projects are arranged in a pyramid. At the beginning of the game, only those on the bottom row are available to you. A second-row project becomes available
when the two projects underneath it have been completed. A project in the third row becomes available when the project directly underneath it has been completed.
The top project is available only if all other projects have been completed.
It is a high-scoring opportunity, so players who put a lot of work into their headquarters will be rewarded.

## Completing a Project

Each project can be completed only once per game. To complete a project, spend Each project can be completed only once per game. To complete a project, spend
the indicated die and mark the project as completed with a token in your color.

## Types of Projects



Most projects give immediate one-time benefits, These are similar to the bonuses that planets
offer to your survey ship They are explained on the back page of this rulebook.


Projects like this give you an opportunity to do a gate run. II such a project also offers points or other benefits, you gain those immediately. Points from the gate run, however, can only be earned when you fly your survey ship.

## Gate Run

A gate run is a chance to score points by visiting multiple jump gates of one color. You can do a gate run only if you have completed a project that allows you to do so. You can do a particular project's gate run only once per game, but you
get to choose whether to use the gate run opportunity on a particular fight or save if for a later flight.
To do a gate run, announce which completed project you are using when you fly your survey ship. (The gate run applies to only one die, even if you fly the ship again as your next action.) If you have multiple completed, unused gate run projects, you may choose any one of them (but not more than one).
Your goal is to visit as many of the indicated jump gates as you can. Do not count a jump gate that you start from, but do count a jump gate that you pass through or end at. Each gate counts only once, even if you visis it more than once. For each gate of the indicated color, score the number of points determined by the project.

## Example:

Green completes this
project and scores 4 points project and scores 4 points
immediately. Later in the game, she decides to use the gate run. She pays a 5 to move her survey ship.
She visits 3 orange gates and
scores 6 points. (No points
though it is lication, even
 jump gate.)
If she had user a s, not get her any more points because each gate can count only once.
After you have used the completed gate run project, place a token on the gate run icon to remind you that you cannot use it again.

When you use this project you get to choose the color that When you points for the gate run. You still get points only or the gate run. You still get points only for one color.

## PATENTING TECHNOLOGIES

## Technological Progress

Each game uses 3 technology boards (one randomly chosen board from each of groups IIII, and III). All technologies are visible at the start of the game.
In the first round, only the technologies
in the first row are available. (This is the innermost arc, closest to the star
cluster board.) The time marker should be set to point to this row.
Rows beyond the time marker are not yet in play. At the end of each round,

the time marker moves outward to the next row to indicate that a new set of echnologies has become available. All rows inside the new row continue to remain in play.

## Paying for a Patent

On your turn, you can spend a die to patent an available technology. The cost is printed beside the technology. Place your token on the cost icon to indicate that

## Two Patents

In the interest of compeitition, each technology can be patented by two different players. Once two players have patented a fechnology, no one else will have access to it for the rest of the game. A single player is not allowed to patent the same technology twice.

## BUYING A DIE MODIFIER

Certain $H Q$ projects, planetary systems, and patents may give you a die modifier
token. It is also possible to simply butifier tokens are not intended to be limited.
oken. It is also possible to simply buy one. You can buy a plus-minus modifier by spending a 1 or a 2 . You can buy a plus-two modifier token with a 2 .
suitable substitute.

## BONUS DIE

## The Red Die

ach turn, you may use at most one bonus die. If you have access to more than one, you may choose which one you wish to us
oonus dice are represented as red dice in the iconography. When you use one, die you are using. Once you have used it return it to the black hole. die you die modifier. There is no restriction on the order in which you use used with

## Copying a Leftover Die

After players chose dice, one was left (or three in a 2-player game). On your furn during the Action Phase, it is possible to copy a leftover die and use it as your bonus die. Pay 4 engineering cubes to the bank and set the red die to the alue you are copying. The actual physical silver die should remain on the dice One player's use of it does not prevent another from using it later.

Using a Bonus Die in Your Transmitter Array When you tip a transmitter tile, it may create online. You may use this die as your bonus die ftater this furn. (lt cannot be saved for later.) If you create multiple such dice, you may choose any one of them.

There are two different patent processes:


Note: In a two-player game, technologies with one die icon can be patented by only one player during the game.


## Effects of Patents

Some patents provide immediate bonuses. Others give you a special ability解 you can use for the rest of the game. All technologies are explained in the chnology manual

Using a Die Doubler

patents and HQ projects allow you to spen ne die to get two. The first die is just a regular silver ewch an action instead of putting your silver die in the black hole, just reset it to this new number
The red die is a bonus die. You are not allowed to take this action unless you use the indicated red die.

## Patenting a Die



When you patent fis technology, you must pay one engineering cube and you must use the depict die as your bonus die If you cannot, then you cannot patent it.
tent atednology orcomote HQ proie


## Exploration Bonus

Some planetary systems offer a bonus die if you are fered this exploration bonus and don't want to use it for example, because you have already used a different bonus die), remember that you can always draw an exploration bonus tile instead.

## PRODUCTION PHASE

## SCORING SUMMARY

## End of Round Summary

Once each player has had durun in the A Action Phase, itis time for the Production
Phase. Players gain some engineering cubes score some Phase. Players gain some engineering cubes, score some points, and set up fo next round Specifically the steps ate perform this orde

Determine the new order of play.
Hand out engineering cubes
Take initiative and engineering penalties.
Gain points and cubes for online transmitters.
Score points for spinning gyrodynes.
6. Score points for certain technologies

Set up for next round

## Determining Order of Play

Rearrange the rocket figures on the play-order spaces according to the order of the players' counters on the initititive track. The player farthest left will go first next round. The player farthest right will go last. If multiple counters are on the This new play order will apply for the next round. his new play order will apply for the next round.
You should rearrange the rockef figures even if this is the end of the final round. The resulting play order will be worth points during final scoring. Note: The rocket figures did not match the initiative counters at the start of
round 1 , but they will match at the beginning of every round after.

## Gaining Engineering Cubes

Players receive engineering cubes as depicted beside the engineering track Again, if players' counters are on the same space, ties are broken in favor of the players highest in the stack.
The exact nature of the benefits depends on the number of players in the game. Example:
Red is ahead, so she gets 3 engineering cubes. Green is second because her counter is on top of Yellow's. Green gets 2 engineering cubes. Yellow gets none.
 Engineering cubes can be used various purposes - buying a bonus die, buying points from certain online transmifters, and

## Penalties

(2) (2) initiative and engineering tracks have spaces on the right
side marked - l and -2 . p player whose counter is on one of these
spaces loses the indicated number of points it this time. (If both
counters are on penalty spaces, the player takes penalties for
each.) Scores cannot go below zero.

## Online Transmitters

An online transmitter is one that has been flipped over after all dice costs have been paid. Such transmitters may produce points or engineering cubes this time.
Note: Transmitters that produce engineering cubes can be resolved first. And then you can spend their cubes on those that let you buy points.

Score Spinning Gyrodynes
Aspinning gyrodyne is one that has been placed on a claimed sar and flipped over. All spinning gyrodynes produc oints at this time.
Each spinning gyrodyne produces the amount of points
shown on its face, , plus the amount of points shown on the left end of the currant round's technology row. (The time marker should be pointing right ot this value.)


Note: Even if the technology row offers 0 points, spinning gyrodynes still produce the points shown on their faces

This symbol indicates that the number of points depends on the
roll of the roll of the dice. If the median marker is on a die space, the $\uparrow$ ?
value equals the value of that die space. If the marker is between two die spaces, use the larger of the two values.
twal
Example:
Example:
Each spinning gyrodyne produces 5 points, in addition to the value shown on its face.


## Score Technologies

(1) (2) The green technologies, marked with the icon, can give you points at

Setting Up for the Next Round

## If this is not the eighth round, do the following to set up for the next round:

 Discard any transmilters that were not taken during the round. Deal out will not always match. At the beginning of round 3 , for example, you will have two As and a B.)For each technology that was patented for the first time this round, move the token down to indicate that it will be possible for a different player to patent this technology. (Do this even for technologies that can be patented wice in the same round - it makes it easier to see that one space is open. On technologies with 2 players' tokens, no action is needed, since no one else can patent them.
Move the time marker outward to the next row of technologies. This new
row of technologies will be in play for the first time in the upcoming round.

## There are many ways to score points during the game.

## During the Action Phase

su can geta bonus for being the first second player to begin construction nes of the same type.
You can get points for flipping over certain transmitters.
When your flight ends at a planetary system with an available blue planet you can get points from an exploration bonus tile.
Certain patents give you immediate points.
Some patents give you points for certain actions.
Certain HQ projects give you immediate points.
Some $H Q$ projects give you an opportunity to score points when you make ffight that visits jump gates of a certain colo

## During the Production Phase

Some online transmifters produce points or give you the opportunity to buy points.
All spinning gyrodynes produce points.
Certain patents produce points.
You can lose points if you are ar the right end of the initiative track or the engineering track.
In a two-player game, you get 1 poinf for being third on the engineering track.

At the End of the Game:
Score points as summarized on your quick reference sheet. This is explained in the next section.


Note: When your score reaches 100 points or more, take your hundred-point tile and put it in front of you. If your score reaches 200 points, fip it over to the 200 side.

## END OF GAME

The game ends after the eighth round. At the end of the game, you will receive points for various accomplishments.

## Goal Tiles

Each game has three goals, depicted by the goal tiles. You should use the goal tiles with the 䄽 icon for your first game. In a standard game, three goal tiles are chosen randomly. (The other three are left in the box.)
A goal tile offers ways to score points at the end of the game,


## Final Scoring

Players score points at the end of the game, as depicted on the quick reference
sheets: sheets:

Purple patents give you points at the end of the game. Most of these can be scored in this step. Some of them will increase your score in one of the later steps.
2. Score points for goal tiles.
. Score 1 point for each pulsar you have claimed that either has no gyrodyne or has a gyrodyne still under construction
Score l poinf for each grodyne tile or still on the table in front of you.
Score 1 point for each pair of engineering cubes you have left. (A single cube is worth nothing.)
6. Score points for final position on the initiative track 14 is always 7 points for first and 4 points for second. With two or four players, there are also 2 points for third. In a three-player game, there are no points for third.
Finally, each player scores points for the number of stations he or she has Finally, each player scores points for the number of stations he or she has
in the planetary systems, as shown on the quick reference sheet. You score 50 points for 13 stataions, with a bonus of +3 for each station beyond 13 .

Note: Exploration bonus tiles and technologies with this icon
apply to step 7 above. They do not apply to any other situation
in which you are counting stations.

## TWO-PLAYER GAME

 goal cannot be counted toward the other.


Note: Technologies and exploration bonus tiles that can be counted as addilitional stations when you count stations at the end of the game do not apply to this goal tile.


## Setup

Use the two- and inree-player side of the dice board. All other boards are the
same for any number of players.
In a two-player game, two rocket figures are used as play-order markers. Randomly decide which player will go first. Place that player's rocket figures
on play-order spaces 1 and 3 . The second player's rocket figures go on spaces n play-order spaces 1 and . cluster, as usual.) Each player has
Each player has 2 counters on the initiative and engineering tracks. They are stacked in reverse play order, as usual.
Example:
Green plays first, the play-order markers, the rocket figures and the counters
should look like this: should look like this:


Dice Phase
The first player rolls 7 silver dice. Players choose two dice, as usual. The choices are made in the order depicted on the play-order spaces. Thus it is possible for the first player to also choose second, third, or fourth, depending on the order of the rocket figures.
When moving counters to take rewards or penalties, a player may choose any of
his or her four counters, unless the move would take that particular counter off the right end of the chosen track.

## Action Phase

Three dice will be left. A player may spend four engineering cubes to copy any ne of them as a bonus die.
The player who is first on the play-order spaces takes the first turn and the other layer takes the second turn. (The positions of the other rocket figures do not ion Phase.)
Tokens in a nonplayer color are used to occupy planets labeled 37 or 4 Technologies with one die icon can be patented by only one player during the game. Everything else remains the same. In particular, the 4 -point construction award for

Production Phase
Rearrange all four rocket figures according to the four counters on the initiative frack. (In the setup for round 1 , counters are stacked in reverse order. But at the start of all later rounds, the rocket figures should match the order shown on the nitiative track.) This is the new play orde
The rewards for position on the engineering track are printed on the two-player side of the dice board:
2 engineering cubes for the player whose counter is farthest ahead.
I cube for the player with the second counter.
I poinf for the player with the third counter.
Note that if a player is first and second on the engineering track, that player gets
player at the right end of either track will take penalties for each counter on one of the penally spaces.

## Final Scoring

nal scoring is as usual. When scoring initiative, score if as you do for a fourplayer game. One player will get points for two places.

## THREE-PLAYER GAME

## hese are the direrences between a 3 -player game and a 4 -player game

The 3 -player game uses the other side of the dice board, which gives different rewards on the engineering track. The 3 -player game uses only 7 of the 9 silver dice.
The tokens in the nonplayer color are used to occupy planets labeled (4)
In final scoring, there are no points for third place.


## Immediate Benefits



Draw an exploration bonus tile (and evaluate it). Most tiles are discarded immediately. If no tiles are left in the draw stack, shuffle the discard pile and make a new stack to draw from.


Gain the indicated die modifier tokens. (If tokens run out, use a suitable substitute to represent them.)

Gain the indicated dice. You must use the red die as your bonus die this turn. Die doublers are explained on page 15 .

Gain the indicated number of engineering cubes. (Engineering cubes should not run out. The four-cube tokens are intended to represent 4 engineering cubes. You can make change freely at any time.)

Gain a red die of the indicated value which you may use as your bonus die for the turn. (Remember, if you don't want or can't use a planetary system's exploration bonus, you can always draw an exploration bonus tile instead.)

## Other Benefits

This project lets you do a gate run. Gate runs are explained on page 14.

This gate run project lets you do a gate run based on one color of your choice, as explained on page 14.

If you draw one of these exploration bonus tiles, keep it for the rest of the game. (This is the only exploration bonus tile that is not immediately resolved and discarded.) At the end of the game, when counting up stations at planets, each of these tiles counts as one extra station. This applies only to the station-scoring step, not to the goal tiles.

## Transmitters




You may immediately claim an isolated pulsar.


Immediately teleport your ship to a pulsar and treat it as though you just ended a flight there.


Immediately teleport your ship to a planetary system and treat it as though you just ended a flight there.


Immediately teleport your ship to any location and treat it as though you just ended a flight there.

Note: You can never teleport to an isolated pulsar.


During each Production Phase, score the indicated points.


During each Production Phase, gain the indicated number of engineering cubes.


During each Production Phase, you may spend 1 engineering cube to buy the indicated points. Usable once per round. You can use a cube that was just produced by a transmitter.

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