## **ON TO BATTLE**

their orders, it is time to watch the battle. In a two player game, both phase and a movement phase.

In the attack phase, you will see the battle map. In a oneplayer game this is the same as the orders map, showing only those enemy units in sighting range. In a two-player game, the map shows only those units known to both players.

Battles are evaluated in random order. In each attack, the attacking units will be highlighted, and the cursor will move to the square being attacked. This will flash for a moment, and then the result of

The exact way an attack is cal-strength of each attacking unit, 5. In Textbook and Trench rules, culated depends on what battle modified by the distance each unit rules you selected at the start of is firing. Units are only at maximthe game. In all rules, the total at- um strength when firing into adjatack strength of all units attacking cent squares; at each further from 0 to the calculated defence the target is calculated; then the square the attack strength de- strength. target's defence is calculated. creases by one, down to one point Then the 50% failure test for un- at maximum range. In Textbook comes can often be calculated by seen targets is first applied; on and Blitzkrieg rules, the attack is failure no damage is done. Other- left at that. In Trench and Chaos wise, if the attack exceeds the de- rules, the attack will be a random fence, the unit is destroyed. If the number between 0 and the calcudefence exceeds attack, it sur- lated attack strength. vives. If attack and defence are random.

together the adding

The game ends when one side same turn, but this is unlikely if That side loses the game. It is at defence. possible to have a draw, if both emy command bunker on the players. You are free to look

unit is destroved, an explosion will briefly appear and then the unit is players will watch this together. gone; if the unit survived, it will re-The battle is split into an attack main. A message will also appear



A battle scene on a Series 3. Two player units are attack an enemy taraet together.

briefly at the bottom right of the screen. It may be that attacking units or the target are not in sight. In this case, the empty square is highlighted but the unit itself is not shown.

When all battles are done,

# **BATTLE RESOLUTION**

equal, the outcome is chosen at rating of the defending unit, added to the defence rating for the terrain Attack strength is calculated by in which it stands. So a bunker in attack the forest has a defence rating of

THE END GAME

is without a command bunker. either side is making any attempt

sides happen to destroy the en- on the map are revealed to the new game.

When both players have given the attack will be shown. If the movement takes place. The map is hidden at this time. Movement is also in random order: if both you and an enemy want to occupy the same strategic position, no player is favoured over the other ex-

cept by chance. You may also find that trees or hills have slowed your units down too; there is a 1/3 chance that a unit fails to ascend a hill on each attempt, and a 2/3 chance that it will fail to get through a forest square. But note that faster units may make as many attempts as they have movement points remaining, so for example, a fast scout moving one square to an adjacent forest has about a 70% chance of getting there.

the defence will be left as it is. In Blitzkrieg and Chaos rules, the defence will be a random number

So in the Textbook rules, outthe player, with only attack order and the possibility of attack from unseen units thwarting your expectations. In Blitzkrieg, defensive lines are of little value, while Defence strength is the defence the Trench rules allow forces to come into closer contact without being guickly shot to pieces. The Chaos game rules out all certainties

around, using the Location info option to identify units. But the game goes no further: you must At the end of the game, all units now exit the program or start a



## INTRODUCTION

Over the next thousand years, nations and empires rise and fall. both malignant and benign, and many changes come over the face of the earth. Technology waxes and wanes, and the climate itself unleashes great upheavals. But one thing remains constant, and that is humans' thirst for warfare.

The game makes extensive use

of the Psion's own menu system,

accessed using the Menu key (or

the silkscreen button on stylus-

When you run Ground Attack

3000 for the first time, you will

see the settings screen for a

new game. To see it at other

times, start a new game by se-

lecting New game from the File

menu, or New File from the sys-

tinas:

and Hard Psion.

tem screen. There are three set-

are. You can play against a friend

or against the Psion. Choices are

Human, Easy Psion, Fair Psion

Battle rules: there are four

Human vs...; who the players

trov your enemy's command base. you request. and to protect your own. You are given full authority over not only very nature. A range of different battle units are at your disposal, each type with its own strengths In Ground Attack 3000 you take and weaknesses, and your initial

on the role of a general directing army is supplemented throughout ground forces in a battle to des- the game by reinforcements that

Choose and use your forces wisely, and victory is yours to take. vour forces' movements, but their Fail in your mission, and you will suffer the ultimate disgrace for a military leader: defeat.

system requirements and full in-

These are not shown on the

menu, and will be mentioned

equipped machines will have extra

reinforcement. Options are 3. 6

or 9. The longer it takes to pro-

duce a unit, the more carefully

you have to think about taking

the cursor bar up or down with

the cursor keys to highlight it and

press Space. The setting will

change to the next option. On

machines with a stylus, tapping on

an option will highlight it and

change it. When you are happy

with the options, press Enter or

tap the Proceed button.

To change a setting, move

risks with your forces.

Stylus-

stallation instructions.

propriate.

#### INSTALLING THE GAME

Ground Attack 3000 runs on the machine you are using. The Psion handheld computers. The game archive has a file installation process depends on Readme.txt included, which gives

#### A NOTE ABOUT CONTROLS

might want to remember the keys for options you use often, as they are not further specified in the where they apply. manual.

equipped machines). Each menu Occasionally an extra shortcut gestures and on-screen buttons, is provided on a more convenient which are mentioned where apoption has a shortcut key, shown when you look at the menu. You key like Enter. Esc or Space.

### STARTING A GAME



Game setup on a Series 3.

styles of game you can choose from: textbook is the default, *blitzkrieg* gives priority to attacks, trench to defence, and chaos introduces randomness to both attack and defence so that no outcome is ever certain.

*Production:* the number of turns it takes to produce a new unit for

## **INITIAL DEPLOYMENT**

The first thing you need to do is to deploy your units. You start Deployment the game with nine units, which you need to deploy on your side of the map: player 1 starts on the left, and player 2 on the



right. The choice of units is vours, except for the first unit you deploy, which is your command bunker.

The unit you are about to deploy is pictured on the informa-

Beginning deployment on a Series 3.

tion panel, in the box next Artist's impressions of the different units, each with the Series 3 map araphic for that unit

to the factory icon. There is a cursor on the map. To place the unit, move the cursor with the cursor kevs, and press Space to deploy. If you press Enter, the information panel is updated with details of the square and the unit (if present) on which the cursor sits. On machines with a stylus. tapping once on a square moves the cursor there and updates the information panel, while tapping

again deploys the unit there. Notice that during initial deployment you can only use the first few columns on your side of the map.

Once you have deployed a unit. you are asked to choose the next unit, after which you get to deploy it. After you deploy your ninth unit. you are asked to choose a tenth unit. This will take some turns to



Selecting the next unit on the Series 3.

produce, so you are not asked to deploy it now.

At any time while deploying on the map, you can obtain information about the map squares and the units already placed there. Just navigate to the square and select the Location Info option from the *Deplov* menu (shortcut Enter).

The ten types of unit each have three statistics, which are useful to know. The statistics are Attack. Defence and Movement, and each is a number from 0 to 3. The total statistics of every unit add up to 3. making each one equally valuable.

Attack is the maximum amount of damage a unit can deal out. It also specifies the firing range of the unit. As the range of a shot increases, its damage decreases, so a unit with an attack rating of two can cause two damage to an adjacent unit, or one damage to a unit two squares away.



Artillerv

Heavy tank Fortress

> amount of damage a unit can ab - mand bunker you have lost the sorb without being destroyed. If the defence value is greater than fended unit on the map, and takes the damage dealt, the unit sur- a lot of killing. But it is static and vives. If it is less, the unit is des - cannot itself attack other units, so troved. If it is equal, there is a it will eventually succumb to attack 50% chance that the unit is des- by massed enemy units. Reintroyed. Defence is bolstered by some types of terrain.

*Movement* is the maximum number of squares a unit may move in a given turn. Actual movement is affected by terrain.

These stats are usually specified in the form (attack/defence/movement),

e.g. (2/1/0) for a static unit with with no attack strength usually have a special capability or pur-The ten unit types are pose. these:

Fast scout (0/0/3): the name exable, the fast scout carries equipment that can see three squares away, instead of the usual one. But it is very vulnerable and has no attack capability.

Ground car (0/1/2): this is also a scout unit. It is not as fast as the fast scout, but it has heavier armour to protect it against attack. Transport (0/2/1): this carries

equipment for reinforce ments, allowing new reinforcements to be deployed adjacent to the transport wherever it is on the map. Transports are slow but heavily defended.

Bunker (0/3/0): this is your

6 Bunker Light tank 7

> Gun base Turret

Defence is the maximum command bunker. Without a comgame. It is the most heavily deforcements can be deployed next to a bunker. Note that you can have more than one command bunker; the enemy must destroy all of them to beat you.

> *Light tank* (1/0/2): these are fast attack vehicles. They are good for chasing down and taking out scouts, but are vulnerable to attack when out in the open.

Heavy tank (1/1/1): slower than two attack and one defence. Units the light tanks, these pack the same punch but are more heavily armoured. Heavy tanks can go up against offensive enemy units, especially under cover of terrain.

Fortress (1/2/0): these are plains it all. The fastest unit avail- heavily defended buildings with mounted guns. They take a lot of damage and, while their firepower is not great, they are good for holding off enemies for a while.

> Artillery (2/0/1): mobile artillery have a good range and fire powerful volleys against enemy units. But their lack of defence makes them vulnerable; sending them too close the enemy is a big risk.



Deployment almost complete on a Series 3. A turret has been highlighted, and its stats and its location's stats shown on the right.

Gun base (2/1/0): this base is a guns have a greater range and defensive building with a large nower. mounted gun, serving a similar

purpose to the fortress. While

they are not as heavily armoured.

they are not defenceless, and their

their units, you will be able to is-

sue orders to them. You will see

vour units laid out on the battle

map. You will also see those en-

ing range of your own forces.

adjacent four squares, though

scout units can see three squares

Units may be given both attack

and movement orders. Attack or-

ders can be given to any unit with

an attack strength of one or more,

movement orders to any unit with

To give a unit an attack order,

\*\*\*\*\*\*

*Giving orders to move the fast scout at full* 

speed (perhaps unwisely), on a Series 3.

move the cursor to the unit and

select Give attack order from the

Orders menu. You are now in at-

tack mode. Move the cursor to

the unit you wish to fire at. and se-

lect Attack (shortcut Space). On

stylus-equipped machines you can

tap on your own unit once, tap the

Attack here button, and tap on the

enemy twice to attack it. You will

see a small circle flash and then

can change your mind and select

another target. Or you can select

the attacking unit as a target.

which cancels the attack. To leave

attack mode select the Done at-

You are still in attack mode: you

remain over the target unit.

one or more movement points.

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Orders

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awav.

large, powerful static gun. It cannot move and has no defence of its own, so it is vulnerable to at-

**GIVING YOUR ORDERS** 

After both sides have deployed menu (shortcut Esc). You can then issue attack orders to other units. Note that if you select a unit that already has attack orders, the target circle will appear to remind emy units that come within sightyou what the unit is attacking.

You may only attack units within Most units can only see into the firing range (which is equal to attack strength). If you want to attack more distant units, you need to move towards them.

> To give a unit movement orders, move your cursor to the unit you want to move and select *Give* movement order from the Orders menu (the shortcut Space applies when not already in attack or

E.

Fast scout

Forest

⊀Ø 80 →3

#2 **0**2

movement mode. Move the cursor to a square adjacent to your unit and select Move here from the Movement menu (shortcut Space). On stylus-equipped machines, tap once on the

unit, tap the Movement button, and tap twice on the adjacent square. A circle will appear in the destination square.

Some units can move more than one square in a turn. To move further, simply move to the second square away from your unit and choose Move here as described above. Fast scouts may move to a third square. You are free to change direction during these longer moves, but a unit may only be given a route as many squares as it has movement points.

To change your mind about a movement order, move back to the previous square along the tacking option from the Attack route and select Move here. The

tack when enemy units get close. But its firepower is second to *Turret* (3/0/0): this is simply a none, making it very difficult for an enemy to approach it openly.

> last movement square will be cancelled. Movement orders must be issued and cancelled one square at a time: the computer will not calculate or cancel an entire route

> > for you. To leave movement mode, select Done moving from the Movement menu. Any movement circles for the current unit will disappear, and you are free to give

further movement or attack orders. You can switch freely between movement and attack modes without selecting Done attacking or moving by using the menu shortcuts for the Give attack or movement mode). You are now in movement order options (Psion-F



Giving a turret an order to attack a threat ening light tank on a Series 3.

or Psion-M, using Ctrl on machines with no Psion key); you must make sure the cursor is on the unit you wish to move or attack with first.

### Firing Where There's No Enemy

You can fire at absolutely anything, not just at an enemy. Some units can fire further than they can see, and if you suspect that an enemy lies in a square beyond sighting range, you can still fire at it, though the chances of hitting a target is reduced if the target is unseen. You may fire on your own units too. You may want to do this if you had earlier built (deliberately or otherwise) a static unit that now blocks your progress.