HEAVY METAL

LOADING INSTRUCTIONS

CBM 64/128 Cassette Press SHIFT and RUN/STOP

PLAV on th

CBM 64/128 Disk
Type LOAD"HEAVY METAL", 8,1, and press RETURN. For "BEACH HEAD"
insert side 2 and type LOAD"***, 8,1 and press RETURN then follow on-screet

ssette s ENTER, ti s PLAY on the car

Spectrum +2, +3 Cassette Press ENTER on the LOADER optic

Spectrum +3 Disk Turn on the computer, inse follow on-screen prompts. ENTER on the LOADER optio

n press PLAY on th

Amstrad CPC Cas Press CTRL and small I Follow screen prompts. assette

Amstrad CPC Disk Type RUN"DISK and pre

Atari ST

CBM Amiga Insert the game disk and St ter the game will th en load a automatic

Cassette users please note Beach Head is located towards the end of side 2 on the cassette. To load, fast forward the tape to a point approximately half way through, stop the tape and perform the loading procedure above.

TITLE AND DEMO SCREENS



After you've turned the disk over, (C64 only), the next scr the TITLE SCREEN. From this level you can choose one screen you'll see is calle e of two options.

the TITLE SCREEN. From this level you can choose one

2. DEMONSTRATION - Go to the DEMO SCREEN where you can preview any of

THE DEMO SCREEN

This screen will allow you to see a demonstration sequence of any of the main action

MBT - Main Battle Tank
ADAT - Air Defence Anti-Tank System
FAV - Fast Attack Vehicle
TACC - Tactical Command Centre (C64 version only). During the demonstration, pressing SPACE BAR will start the game by taking you directly to the PERSONNEL FILE. If you wait to see the entire demo, you will return to the DEMO SCREEN.

Selecting "Exit" will take you back to the TITLE SCREEN.

PLAYING THE GAME

.me PLRISONNEL FILE summarises the names and ranks of all officers. If you are playing the game for the first time, use the "RDD NAME" function to add YOUR NAME: to the list. (Select ADD NAME, type your name and hit the RETURN key). Up to 10 names are allowed in the file, and a blank line must exist in order to enter a new name. If a blank line does not exist, use the "DELETE NAME" function to ensee one of the existing names from the list.

Select the "CANCEL" function to reserve the "CANCEL" function the "CANCE

AMSTRAD DISK USERS NOTE:Save personnel file and TACCOM game to side 'A' of the game disk. Tape versions can save to any tape, but the program has no facility for using user named files, i.e. it loads the first correct file it comes across.

The Player File

Each player has his or her own file which automatically maintains records of
performance ratings, time in service and rank advancements. Every first time
player must begin as a Cadet in Officer's Training School (OTS). A player will
become a commissionfed officer (2nd Leutenant Rank) after qualifying one each of
the three Combat Simulators. Qualifying is not difficult, but Cadets must
demonstrate basic combat skills by scoring a minimum of 5,000 points on each
simulator. C64 Usern Note: A player cannot play the Tactical Command portior
of the game until he has received his commission as a 2nd Lieutentain

ents in Rank

Advancements in Massa.

Your rank is determined by your total advancement points which accumulate each time you play the game. Be sure to play each time under the same PLAYER NAME so that your points will accumulate properly.

RANK TOTAL ADVANCE! GENERAL (5 star) GENERAL (4 star) GENERAL (3 star) GENERAL (2 star) GENERAL (1 star) 86400 and up 73800-86399 62100-73799 51300-62099 41400-51299 41400-51299 32400-41399 24300-32399 17100-24299 10800-17099 5400-10799

Officer's Training School
If you have not yet qualified, you will autor
to the COMBAT SIMULATION SCREEN. satically go to the OTS Scre

If you have qualified, you will as Flow Chart) where you may choos automatically move to the OPTION SCREEN (see to play the TACTICAL COMMAND portion of

If the OTS (Officer's Training School) screen appears, it means that you are still a Cadet and have not yet received your commission. Only commissioned office

(2nd Lieutenant rank or higher) have TACTICAL COMMAND status. Upon leaving this screen, you will go directly to the COMBAT SIMULATION screen, where you will have your chance to qualify. Once you have qualified on each of the thresimulators, you will not return to the OTS screen.

COMBAT SIMULATION

he Combat Simulator attlefield conditions.

Millenes communication and the management of 5,000 points on each of of 5,000 points on each

You can return to the COMBAT SIMULATORS at anytime to sharpen your combat skills or to compete against other officers for top scores. Your best and last scores on the simulators will be saved with your personnel file. The best scores are considered when evaluations for promotion are done. prevaining the Combat Simulators

be combat simulators operate identically to their counterparts except that you

ave unlimited field and shells and a fixed number of units with which to fight,

nee allof your units are destroyed, the simulation is over. Your performance is

ased entirely not the number of points scored during the simulation. Refer to the

scion on Operating Your Equipment for specific information on how to operate

ach piece of hardware.

PLAYING OPTIONS

The Option Screen
You will automatically come to

This screen allows you to select either Tactical Command or Combat Simulati mbat Simulation is the same portion of the game you were required to play mbat Simulation is the same portion of the game you were required to play the were a Cadet. How it is optional. You can use the Simulators to sharpen are skills on a specific piece of equipment. You can also competed against ye not required as more "Aracade" level, where strategy and planning are not required. Combat Simulators are also better suited to younger children. actical Command is much more challenging than simulation alone. It combit the features of the three simulators with the elements of strategy, tactical anoeuvring, combat engagement and resupply. You must demonstrate you tills as a field commander if you hope to receive any significan

TACC S



TACC stands for TActical Command Centre. This screen is where all decisions will be made regarding deployment of forces, enemy engagement, resupply et of the enemy forces will aitempt to capture your Beadquarters, and you will try stop them. After meving your forces to engage the enemy, you can choose to a and watch or you can join one of the battles and help your men to fight. If you and with one to fight if you can be not fight to the process to watch, you will surely lose, and the Central will be very hard on you though the process of th

Refer to the Tactical Command Section for specific instructions on n your forces and interpreting information from the TACC screen.

The Debriefing Screen

Upen completion of a grime during Tactical Command play, you will come to the

Debriefing Screen for at evaluation. Advancement Points are awarded based on

your overall game performance. You do not have to win to get a good rating, Since ays be numerically superior, it is more i

Your Performance Rating is related to your Advancement Points as she	own below.	
Performance Rating Advance	Advancement Points	
Outstanding	. 2200 or more	
Superior	. 2000 to 2199	
Exemplary	. 1800 to 1999	
Commendable	. 1500 to 1799	
Adequate	. 1200 to 1499	
Inferior	. 900 to 1199	
Awful	. 600 to 899	
Pathetic	. 300 to 599	
Di	T 15 200	

After a few seconds in TACC Debriefing you will meet with the General.

The General's Evaluation

Four Star General E. E. "Bud" Dink, is not an understanding person. He is quit
manymaphetic and intolerable of new officers. You may find his remarks harsh at
innes, but underneath, he probably means every word of it. There is one hope
owever. With enough perseverance you may someday become a Five Star Gene
and out rank old General Dink. I wonder what he'd have to say then?



OPERATING YOUR EQUIPMENT

erating the MIA1 Abrams ttle Tank (MBT)



er. Its sloped armour, made of tough ction against most anti tank warheads, e engine. It also has a Laser rangefinder composite me The M1 is pos

Objective
four objective is to destroy as many enemy tar
is few losses as possible. You will encounter en
and multi launch rocket systems.

An as you can while sustaining tanks, artillery, mortar fire



sin Battle Tank - Hass SCORE ALIONMENT ARROW (When this ARROW is centred directly on you are pointing directly at it.) (Always turn TO THE ARROW) PROJECTILE RANGE (Based on gua angle) (This range must match on score a hit)

range to score a hit)
PLAYER STRENGTH
AMOUNT OF AMMUNITION REMAINING
M827 - Only round that can destroy a tank
M828 - Standard combat

330 - Standard combat. 4OUNT OF SMOKE REMAINING

- 9.
- AMOUNT OF SMOKE REMAINING
 FUEL GAUGE
 SPEED INDICATOR (Minus means reverse)
 FORWARDAUEVERSE INDICATOR (Blue means forward)
 ENEMY LASES SCAN WARNING (Accompanied by an a
 TARGET CURSON (Show the position of the target)
 MAIN VILWING SCREEN
 INFORMATION & MESSAGE DISPLAY 10.
- 11. 12.
- 14
- 15
- 18.
- 19.
- INTORMATION & MESSAGE DISPLAY
 DRIVERS BEADING (Direction the tank is pointing)
 TURRET BEADING (The direction the 120 MM gun is p
 GUN ANGLE
 TARGET RANGE (Digital)
 TARGET RANGE (Digital)
 TARGET TARGE (Digital)
 TARGET STANGE (DIGITAL)
 TARGET VECTOR (Beading to intercept)
 TEREMAL IMAGING SYSTEM
 ENEMY STRENGTH
 ENEMY STRENGTH
 TARGET VECTOR (Beading to intercept) 23. 24

DESCRIPTION OF MBT INSTRUMENTS

Thermal Imaging Systems
The infra-red thermal imaging system produces an image by sensing the radiated by objects. The detected energy is converted into electrical sign the images displayed are projected into the eye piece of the gunner's signiformation is then sent to the laser range finder for targeting. information is then sent to the laser rangefinder for targeting.

Lance: Rangefinder geofficier

Information from the thermal imaging system is passed to the Laser Rangefinder, which is a state of the laser rangefinder in the later of the later of the later rangefinder in the later of the later of the later rangefinder in the later of the later of the later rangefinder in the later of the lat

Periscope View
An image of the target is automatica
view, making it easily identifiable.

Score
Used in combat simulation to keep track of your combat points.

layer Strength he number of tanks re saining in your unit.

Enemy Strength
Indicates the relative strength of the enemy division. This number does not always
decrease when an enemy target is destroyed. It may take two or more kills to
reduce the enemy's relative strength by one unit.

AMMUNITION

M827 — (APFSDS*-T)
This round is constructed of depleted uranium and is your most effective weapon against any type of armour. It is the ONLY round that will penetrate the arms of the enemy 17-80 tank.

M829 - (APFSDS*-T) Standard armour piercing co

M830 - (HEATMP-T)

Standard armour piercing combat round.
*Armour Piercing Fin Stabilising Discarding Sabot.

*Amour rescung an standard pascarung salow.

Enemy Laser Scan Warming

Your MilAI is equipped with smole generation capabilities to confuse enem

targeting systems. When the LASER SCAN WARNING alarm sounds, it means th

your sensors have detected an enemy laser scan of your tank. You must dispense

moke immediately or the enemy targetting system will lock on to you and fire. If

the enemy tank is able to score a direct hit, your tank will be destroyed.

MAIN BATTLE TANK CONTROLS - C64, ATST, AMIGA

FORWARD REVERSE EXIT THIS SCENE STOP ROTATE TURRET ONLY TAB CONTROL ESCAPE SPACE BAS 18 KPH 36 KPH 54 KPH 54 KPH
72 KPH
CHANGE TARGETS
SOLID FILL ON/OFF
SOLID FILL ON/OFF
SOLID FILL ON/OFF
SHELLS/USE M827'S
USE M829's
USE M830's
GENER ATE SMOKE

+/- (C64 ONLY)
INST DEL (C64 ONLY)
DELETE (AMIGA ONI
HELP (ATST ONLY)

GENERATES CHANGE BETWEEN GUNNER'S AND

F3 (F5 on C64)



Up Dow Left Righ

en paus

air 1/2 :

Up Dow Left Righ Fir Select e Sub-G when p

Joy tick 1 repl

Gun barrel do Gun Barrel up ADAT SPACE Fire mi

USING THE LASER RANGEFINDER arn to rely on your Laser Rangefinder. It is the most powerful offensive feature your M1. Follow these steps while refering to the INSTRUMENT DIAGRAM.

- 1. Turn your tank (if necessary) to bring a target into view on the PERISCOPE While looking at the MAIN VIEWING SCREEN. Turn your tank left or right (by using the joystick) until your gun barrel is pointing almost directly at the TARGET CURSOR.
- 3. Now look at the peri on of the ALIGNMENT ARROW.
- Turn towards the ARROW until it is centred on the target image. YOU ARE NOW IN HORIZONTAL ALIGNMENT.
- 5. Next, look at the TARGET RANGE (the left set of Next, took at the LANGEL ARMOE the set set of veducia manages.

 Now, raise or lower your gun angle until your PROJECTILE RANGE matches (nearly) the TARGET RANGE. (The projectile range is the right set of vertical numbers). YOU ARE NOW IN RANGE ALIGNMENT. 6.
- If you are still in horizontal alignment, you should fire you the FIRE button.

KEEP MOVING!

Your tank is covered with reactive armour, which holts on the outside of you tank's body and turret. It explodes outward to blunt the impact of incoming shells in this allows you to take a number of this without being disabled. If you're stationa however, your chance of being hit in a spot that has been previously hit increases and makes you much more vulnerable.

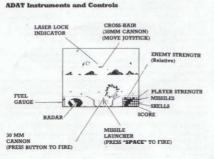
OPERATING THE AIR DEFENCE ANTI-TANK (ADAT) SYSTEM



mer designed specifically apponent of the system is the of four laser beam riding ional firepower. The ADAT a to provide effections to be an anti-aircraft/anti-tank we turret based launch platform cons missiles. The unit also features a 30 bank lso features a 30 led by Martin ! B Objective
Your objective is to destroy enem
be destroyed by your missiles or yo

red by th

"MIG" fighters and TR-80 tanks. Air cannon Tanks can only be destroyed



DESCRIPTION OF ADAT INSTRUMENTS & CONTROLS

Laser Lock Indicator When this square bracket appears on screen, it means that your target acquisition you for its tracking a target. Fire a missile by pressing the SPACE BAR (RIGHT MOUSE BUTTON). Your laser tracking system is approximately 90% effective.

MOURS BUT SON,

CPORS.HEAI?

This is the 'gran-sight' for your 30mm cannon. Move the cross-hair vertically by pressing forward or back on the stick and move it horizontally by pressing left or right on the stick. Press the FERE button to fire (ATARI 57/AMIGA — use the mouse to position cross hair, left mouse button to fire).

Fuel os ing combat simulation, fuel is unlimited. However, during TACTICAL MMAND play, fuel is consumed. If you run out of fuel, you cannot move your IT unit. Always keep enough fuel to get back to headquarters and resupply if

OPERATING THE FAST ATTACK VEHICLE (FAV)



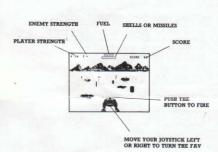
To score points, you mu

Description
The XR311 looks and drives very much like a dune buggy. Developed by the FMC
Corperation, it is considered as a replacement for the jeep and has been designed
for a wide variety of roles including anti-tank assistance, reconnaisance, convoy
secont and forward air defence. The XR311 is built around a tubular steel frame
secont and forward air defence. The XR311 is built around a tubular steel frame
to the second of the protection only for the radiator and fuel tank. However, it has a
top speed of any protection only for the radiator and fuel tank. However, it has a
top speed of the protection of the protection of the radiator and the second of the radiator and the result of the radiator and without lossing speed. These
factors make it as a cetturally elastive target. The FAV is arrowed with a 10 single size of the radiator and with a 10 size of the radiator and with a 10 size of the radiator and the

st destroy enemy obstructions and equipm

to the combat simulation you'll be given it of vehicles and an unlimited sup-plied and ammunition. Most objects on screen are potential targets and ar-cints. In the TACTICAL COMMAND section, your fuel and ammunition wentually run out and you'll need to resupply. In the c

FAV INSTRUMENTS & CONTROLS



he FAV op seed only and can be controlled by moving the joystick i, any object you hit will destroy your FAV. To use the your target and press the joystick button.

e whistle of an incoming artillery shell, nove your FAV a considerable re left or right until the shell hits the ground. The TAV scene features lefence levels which become progressively more difficult.

TACTICAL COMMAND

Overview and Summary TACTICAL COMMAND is your ch

TACTICAL COMMAND is your chance to advance in rank. This is actual field command, where your ability as a field commander will be judged. When you select the TACTICAL COMMAND opino, you will move to the TActical Command Centre (TACO). Here you will deploy your forces, sugage the enemy, fall back to resupply and hopefully defend your fleadquarters against the YouThlories and Centre of the TACTICAL COMMAND opinion.

numerically superior enemy lovered.

You'll begin play with one unit each of TANKS, ADATS & FAVS. The computer will determine the number of vehicles in each unit. In addition to these 3 predefine units, you will have a fourth group, called the SUPPORT UNIT. You must designate which type of vehicle to be used and the computer will determine the number.

Your primary objective is to stop the enemy from overtaking your headquarters. Your primary objective is to weaken enemy from overtaking your headquarters. Your secondary objective is to weaken enemy forces as much as possible. Each time the simulation is played the size of your forces, positioning and enemy strength will be edifferent. Many times the overall enemy strength will be overarwhening that achievement of your primary objective may not be possible. Therefore, you overall performance will be indeed heavily on how much damage you inflict on the enemy. In relation to the damage they do to. verall pe performance will be judged heavily on how my, in relation to the damage they do to yo

As seemy forces move toward you to you.

As seemy forces move toward you headquarters, you must cut them off. When your troops engage the enemy you can choose to do the flighting yourself, or let the computer decide the outcome. If the computer decide the outcome. If the computer decide the outcome it will have its decide the outcome it will have its decidions on the strengths of the player and enemy divisions. So if you're estimathered, you'll probably lose you runt after a period of time.

As the field commander, you are responsible for monitoring each unit's fuel, ammunition and battle progress. From time to time you should check their supplie and fuel status. If you're running low, you may need to send them hack to flead quarters (BQ) to resupply. This can be done if they have enough fuel to reach BQ and BQ is under your control.

To win, you'll have to carefully co-ordinate your smaller forces in battle, resupply them and do most of the critical fighting yourself. During combat you'll have to check the TACC (Tactical Command Centre) periodically to monitor the situation and needs of your other units. When the game ends (whether you win or lose) you'll move to the DEBRIEFING room. Here your performance will be rated and advancement points awarded.

OPERATING THE TACTICAL COMMAND CENTRE (TACC) Upon entering the TACC, the first thing you must do is do UNIT by pressing T, A or F for TANKS, ADATS or FAVS. signate your SUPPORT

As soon as you have done this, the game will begin, so yo next few pages thoroughly before starting.



TACC CONTROLS

The Curs Many of the e controls and commands involve moving the CURSOR to various screen. This is done by moving the joystick up, down, left or right in in you wish to move.

Giving Orders
To give orders or cor

e of your units you must do th STEP 1 Establish Co

Establish Communications with the Desired Unit This is done by pressing keys 1, 2, 3 or 4 on the keyboard. Key "1" - FAV but (Size) Key "2" - TANK Unit (Size) Key "4" - TANK Unit (Size) Key "4" - SUPPORT Unit (Crange/yellow) You may a key "5". You may also use the joystick to place the CURSOR over the desired unit and ther press the FIRE button. Make sure the cross (+) is within the CURSOR BOX.

Once communications have been established, the DESIGNATED UNIT WILL TURN WHITE and the UNIT INFORMATION SECTION (lower left) will show data for that

STEP 2

Tell Your Unit What To Do The COMMAND WINDOW (upp

The COMMAND MINIOW (upper seri win now anapyay the following options: RESUPPLY Fall back to BQ and get more fuel and ammunition. (You cannot get more vehicles). Once resupplied, the unit will remain at BQ until new orders are received. If the BQ is under enemy control it will turn green. You cannot resupply when the enemy has control of your BQ.

M you select RESUPPLY and HQ is under your control, y automatically disengage (if necessary) and begin moving to CONTROLLED BY THE ENEMY YOUR RESUPPLY ORDER INCCEPTED.

OVE Move to a n d await furth

Hyou select MOVE you will then have to specify the POINT TO MOVE TO. Do so by moving the CURSOR (with the JOYSTICK) to the desired location and pressing the FIRE button.

ENGAGE Move to intercept an enemy division and engage them in battle. Once engaged, your unit will continue to battle until it wins or loose or until new orders are received. The computer will do the fighting for you unless you choose to ENTER are received. ed. The comp (see below). H you select ENGAGE you will have to specify WHICE ENEMY UNIT TO ENGAGE. Do so by moving the CURSOR (with the joystick) to the desired ene unit and pressing the FIRE button. Make sure the cross (+) is within the CURSOR BOX before pressing the button.

CANCEL Never mind. Do not give an ord SELECT one of the options by moving the JOYSTICK UP or DOWN until the ARROW is pointing at the desired OPTION, then press the FIRE button.

ENTERING COMBAT To have any chance of doing well, you must join your troops in combat. The computer will fight in your absence, but will only 'HOLD ITS OWN' against tenemy. One of your greatest challenges will be selecting which unit to help, sinc you can only be one place at a time. Note: You can only enter Combat whe can only be ait is 'in h

To ENTER COMBAT press the communicunit, then press the E key (for ENTER).

Fight as long as you feel is necessary, the return to the TACC. the RUN/STOP (ESC) key to n pre

UNIT INFORMATION

The unit information display (lower left) always shows data for the last unit selected by one of the communication keys (1, 2, 3 or 4). You can cycle through all four units and check their status simply by pressing the come keys in succession (1, 2, 3). 3 or 4).

After yo fter you've checked everyone's status, you will still be in command mode (givi ders). If you do not wish to give a command (i.e. Resupply, Move, Engage) you in cancel by pressing the C key or the FIRE button.

OPTIONS

In the lower right corner of the TACC screen are four options: PAUSE, LOAD, SAVE and QUIT.

To select an option, move the CURSOR near the option you desire. The CURSOR wil change to an ARROW. Now, position the ARROW over the BULLET (diamond) that is just to the left of the option you want, then press the FIRE button. Below is a description of each option.

PAUSE Will pause a game so you can catch your be

LOAD Will load a previously saved game into memory and begin play. To load a game, first select the LOAD OPTION. Now select a game number (1-10) by moving the joystick up or down until the desired number is displayed, then press the FIRE

SAVE Will save a game in progress so that you may resume play at a later tin To save a game, first select the SAVE OPTION. Now select a game number (1-10) by moving the joyatick up or down until the desired number is displayed, then press the TTME button. Up to 10 games are allowed on one disk. u to the PERSONNEL FILE (Se QUIT Will al Will abort the e Flow Chart). d re

TACC PLAYING SUGGESTIONS

When the game begins, enemy forces (green) will begin moving towards your fleadquarters.

Select one of your units (gress 1, 2, 3 or 4) and tell them to ENGAGE (see Giving Orders) one of the enemy divisions. Do the same for two other units so that all 3 enemy divisions are stopped and fighting, Now select your 4th unit and "Gang Up" on one of the enemies. Try to pick a battle where the sum of your two unit strengths is approximately equal to the enemy's strength. Let the computer fight this battle while you ENTER COMBAT with one of your 'one on one 'units. To ENTER select the unit by pressing 1, 2, 2 or 4 then press the Rey. Help out as long as you dare and then press the RMSNFOF (ESC) key to come back and see how everyone's doing.

Henemy forces penetrate your defences and reach HQ without heing attacked RQ will turn from yellow to green and the enemy will have temporary control. you don't attack the enemy division holding your HQ in a certal length of time, the entire hettle will be over. Once HQ is under en control you must engage the enemy division holding HQ in order to get on back. As long as HQ is under enemy control your forces cannot resupply.

Remember, if you do not engage the enemy division holding your HQ within a certain period of time the game will end. If 2 or 3 units attack your HQ, the 'holding time' will be even shorter, so it is imperitive that you attack Divisions holding your

Be aware of the speed difference between the three types of units. The FAVs are the fastest, followed by the TANKS and then the ADATs. Take this into acco when sending a unit to engage an enemy.

If one of your units is def further use to you.

further use to you. The best way to learn how to be a good commander is to play the game. Don't get discouraged if you don't win. Concentrate on reducing the enemy's advantage Your ratings will be based on how well you perform, rather than whether you win or lose. It takes experience to learn where to deploy your forces, when to reform commants when to resumply, etc. Remember, even George Pation had to se

HELPFUL HINTS

- W. g the MBT scene. If your tank is stationary, it is an easy target. During the FAV scene, try to shoot the larger objects and equipment. They are worth more points and have a greater influence on enemy strength.
- Enemy tanks in the MET scene will come towards you, fire and then move away. The best way to destroy them is to wait until they start to move away, and then pursue them at full apped. The distance between you and the enemy tank will stabilise making it easier to hit. Don't forget to use your SMOKE when they are stabilise making it easier to hit. Don't for close and trying to get a Laser lock on y
- Upon returning to the TACC scene from combat, check the status of all ye units (press 1, 2, 3 or 4). You may find that a unit is in urgent need of resupply.
- Take the time to shoot the enemy tanks in the ADAT scene. They are worth big points and will reduce the enemy strength significantly. It takes two good solid hits with the 30mm cannon to destroy one. Don't forget to move sideways when you hear an incoming shell in the FAV scene. Enemy mortars are deadly if you stay on a straight course.

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PLEASE NOTE: Beach Head is only available on CBM 64/128. Spectrum and An

SCENARIO

llenging naval battle followed by an invasion with land forces. If your treed in penetrating the island defences, the most difficult challenge stins... capturing the enemy fortress KUHN-LIN

CONTROLS

CBM 64/128

Spectrum 48/128
The menu screen displays four status boxes; one for the present one for the skill level, one displaying whether keyboard or je and finally, the largest box which displays the current keybowement, fire, etc. Further to this is a list of keys to press which

- to start to go to the instructions pages. to change the number of players. (This is a toggle putting 1 to 2 or 2 to 1), to change skill level (this loops through "easy", "fair" and "hard"), to define the game keys; you are asked to press your key selections with option to reselect should you make an error. to make a joystick selection (keep pressing to loop through selections.

- on (keep pressing to loop through selections. If the machine is loaded and left unattended the game will self-demonstrate.

Amstrad CPC
Beach Read will operate either by the keyboard or an Amstrad compatible jor if a joystick is connected to the computer press the FIRE BUTTON and to computer will automatically respond to joystick mode. If you wish to use keyboard controls press the SPACE BRAK. The key controls will then be as followed to the pressure of the pressure of

Q - Up, A - Down, O - Left, P - Right, SPACE BAR - Fin

GAME PLAY

SEQUENCE I – AERIAL RECONNAISSANCE

e opening sequence is an aerial reconnaissance overview of enemy held ritory. At this point your first command strategy decision must be made.

- 1. Take your fleet through the hidden pas (a) Catch the enemy off guard and unprepared. His airpower and naval forces will not be as strong.
 - (b) Your overall point total will be in the passage.
- Take the enemy head-on and go straight into battle. The advantage to this strategy is:
 - (a) Your fleet will not have to navigate the perilous hidden passage. The passage is extremely difficult to navigate because it is mined and torpedoes are launched at random throughout the channel.

Note: If you select the skill level for two players be the same for player two.

To manoeuvre your fleet, move in the direct your fleet will continue in that direction. If you choose a frontal attack, proceed directly through the main channel a engage the enemy.

If you choose to na vigate the hidden p

Manoeuvre your fleet close to shore along the outer edge of the peninsu you have found the passage, the general quarters alarm will sound

Spectrum
The hidden passage is shown by the flashing square in the top left. Kuhn-Lin base is shown by the flashing square in the bottom left and the enemy fleet by the four dots in a square formation.

SEQUENCE II – THE HIDDEN PASSAGE

In this scene you will have to cross through a mined channel and avoid being struck by torpedoes fired by the automated defence system. To manoeuvre you ship, push LEFT on the stick to turn left, RIGHT to turn right, FORWARD to speed up and BACK to stop. Head for the opening directly across from the starting

(Spectrum Users note that: When a ship has passed through safely it is display in blue on the status lines.)

Once you leave the passage you will be in a position to surprise the er catch them in their harbour. Move swiftly to engage the enemy.

SEQUENCE III - GENERAL QUARTERS

Fighters at Twelve O'clock
Enemy fighter squadrons are now attacking your fleet! If you have surprised the
enemy, many of his aircraft are below deck and will be unable to respond to the
attack. If you choose strategy two, the number of aircraft attacking your ships is
considerably greater.

Use your joystick to aim your anti-aircraft guns and shoot down enemy planes. Pull BACK to raise or push FORWARD to lower your guns. Press the button to fire. Your ammunition will not run out, but it does take a certain amount of time to replenish. Do not waste shells or you will not be able to fire rapidly at a critical

For each hit you receive the damage rating will increase by one. When the damagrating reaches a certain level you will lose a ship—the figure at which this occurs is dependent on the skill level!

Enemy surveillance aircraft occasionally fly by to report the battle progress back to the island. If you destroy these planes it will add 2,000 points to your score. If you survive the onslaught of the enemy aircraft, the naval battle begins.

Once suriny aircraft have been neutralized, the enemy battleships and cruisers will begin shelling your fleet. The joystick is now used to fire your heavy guns to sink the enemy ships. Again, as in the previous scene, if you have surprised the enemy and caught them out of position, it will take them lenger to zero in on your fleet. SEQUENCE IV - BATTLE STATIONS

TO CONTROL YOUR GUNS

Move and fire as in GENERAL QUARTERS. Use the Degree of Elevation to estimate the distance (a 1° change in elevation represents 200 metres in distance). Enemy ships are more accurate if you have attacked the fleet head-on. For each hit taken you lose a ship.

BONUS POINTS

After the r

The enemy aircraft carrier will attempt to escape. If you sink the carrier, it will add 10,000 points to your score.

te naval battle, you must manoeuvre your remaining ships into the enemy r. Since there is only room for four ships in the harbour, you will be awards oints for each extra ship.,

SEQUENCE V - BEACH HEAD! Excurrence V—BLACH MEAD!

Each ship that you navigate into the harbour carries two tanks. After your tanks have landed and your beach head is established, you must flight your way through the island defence systems to get to the fortress of Khan-Lin. Once your tank starts forward there is no turning back! Tanks have side to side mobility but will continue forward at a constant speed. There are numerous obstacles in your way, including mines, anti-tank guan, enemy tanks, benkers, etc. At this point the enemy is prepared and is throwing all his defence against your tanks to stop them. Each senemy defence system is worth a certain number of points, and their value is displayed when they are destroyed. Each time a tank encoeeds in reaching form the contraction of the contraction.

SEQUENCE VI - THE FINAL BATTLE

Once a tank has reached Kuhn-Lin, you must land 10 shells in the fortress to destroy it. There are ten targets to hit, but only one is vulnerable at a time. The vulnerable target will turn white. As each white target is hit another will appear until all ten have been destroyed in sequence.

The fortress is defended by a huge cannon. Once this cannon has sighted you, will get your range and fire. This cannon never misses. The final battle will require a task force of tanks to win. If you are successful in destroying the Fortress, the enemy surrenders and victory is yours!

SCORING

Airplanes

Kuhn-Lin Destroyed

Even if you destroy the fortress Beach Head allows you to compete for high scores. Game scoring is as follows:

Ships navigated safely through pas

3,000 ea. 400 ea. 10,000

Other Ships 2,000 e Enemy Tank 1,000 ea. Machine Gun 400 ea. Bunkers 800 ea. 600 ea Towers Targets 2,000 ea

Extra Ships (over 4) 2 000 e

ADDITIONAL FEATURES (CBM 64/128 ONLY)

Adjusting the Sound: Beach Read is designed to have the highest quality sound possible. Because some Commodore 64's have different low pass filters, it may be necessary to adjust the game; filter settings to provide the optimum quality on your machine. You can change the settings by typing an F during the level selection screen. The test sound is the anti-aircraft gun firing. Adjust this level as you desire. As you exit the routine you will have the opportunity to save the settings to disto make them permanent.

20.000

Adjusting the Border Colour: To change the border colour to suit your or taste, type B during the level selection screen.

Top 10 Display: During the level selection, if you touch the **T** key, you can view the top ten scores and save them.

PAUSE FEATURE To stop all action and "Freeze" the game, simply press the COMMODORE key. To continue press the same key again. ABORT FEATURE If you find yourself out-classed and wish to cancel the game, you may return to the 'Select Level' screen by pressing the CTRL key.

AUTOMATIC DEMO If left unattended for approximately one minute, the comp will take over and play the game by itself. You may take control at any time simply moving the stick.

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