ELECTRONIC ARTS PRESENTS
CD-ROM CLASSICS
KKND™

TABLE OF CONTENTS

http://www.replacementdocs.com

Documentation is provided on-line. If you would like to receive
the printed manual, please see the order form on the back cover.

SYSTEM REQUIREMENTS

MINIMUM CONFIGURATION
❒ MS-DOS® 5.0 or higher (Windows 95 compatible)
❒ Pentium™ 90 MHz or faster processor
❒ Minimum 28 MB disk space free for hard drive installation
❒ 16 MB RAM
❒ 1 MB VESA compatible PCI video card
❒ 4x-speed CD-ROM
❒ Keyboard
❒ Microsoft mouse or 100% compatible

RECOMMENDED CONFIGURATION
❒ Pentium 120 MHz or faster processor
❒ Sound Blaster™ or 100% compatible sound card

SUPPORTED
❒ 2-6 player network support using IPX network protocol (high performance systems recommended)
❒ 100% Hayes compatible 14.4 kbps or faster modem for 2 player modem play
❒ **Sound Cards**: Ensoniq SoundScape, ESS AudioDrive, Gravis Ultrasound, Gravis Ultrasound Max, MS Windows Sound System, Pro Audio Spectrum 16, Reveal FX/32, Roland RAP-10, Sound Blaster, Sound Blaster Pro, Sound Blaster 16, Sound Blaster AWE32, 100% Sound Blaster compatibles, Sound Galaxy NX Pro 16, Vibra 16

INSTALLATION

DISK PREPARATION

Before you install any software, it is critical that your hard drive be in proper working order. We recommend running SCANDISK or DEFRAG (DOS 6.2 or higher). SCANDISK searches your hard drive for any lost allocation units as well as any cross-linked files and directories. DEFRAG ensures that your data is sorted properly. Failure to verify this may result in corrupt data. Steps for running these preventative applications are given on the next page for DOS and *Windows®* *95*.

DOS PREPARATION

1. Type VER [Enter] from the DOS C:> prompt. Your DOS version is displayed on the screen. If it says 'MS-DOS VERSION 6.21' or any version later than 6.2, follow the steps below. If you are using DOS version 5.0, you may need to use other utilities (such as *Norton Utilities™* or *Central Point Tools*) to check your drive's condition.

2. Type SCANDISK C: [Enter] from the DOS prompt. This will determine if your drive is in good repair. If any damage is found, you should repair it before continuing, following the instructions in your DOS manual.

3. Type DEFRAG C:/F [Enter] from the DOS prompt. This runs a complete defragmentation on your hard disk to ensure all your data is sorted properly. It also optimizes your hard disk for faster load and access times.

WINDOWS 95 PREPARATION

The procedure for scanning and defragmenting your disk from Windows 95 is essentially the same as from DOS—only the method for starting the programs is different.

1. First, run SCANDISK. To start SCANDISK, left-click on the 🁢Start button from the Taskbar. The Start menu opens.

  • From the Start menu, highlight **Programs,** and then select **Accessories** from the menu that appears. Yet another menu appears–from that menu, select **System Tools.** Finally, highlight **ScanDisk**, and the program starts.

  • Once activated, make sure there is a check mark in the **Automatically Fix Errors** box and select the hard drive you are installing the game to (e.g., C:). Once everything is set up correctly, click **Start** to have the program scan the drive and correct any errors.

2. Next, run DEFRAG. To start DEFRAG, go to **System Tools** (as in the previous step) and highlight **Disk Defragmenter**. As with SCANDISK, select the drive you are installing the game to and click **OK**.

DOS INSTALLATION

1. Insert the *Krush, Kill 'N Destroy* CD in your CD drive.

2. At the DOS prompt, type D: [Enter] to change to your CD drive (substitute the correct letter of your CD drive if other than 'D:').

3. When you see the 'D:' prompt, type INSTALL [Enter] to start the installation program.

4. You are asked if you wish to use UniVBE™ as your Vesa driver.

  • To install the driver, press [Y].

  ✔ **NOTE:** This will enhance game performance. However, if you experience any difficulty please run the install program again and press [N].

5. The Installation program begins. To leave the Installation program at any time, select **QUIT.**

6. After a moment, the Sound Card Setup menu appears.

- To have the Install program try to detect your sound card and sound card settings automatically, select AUTOMATIC. After your sound card settings are detected, select TEST to make sure thesound card is working properly. You should hear a brief sound clip Click OK to continue.

- **If you know your sound card type and settings, select MANUAL to set it up yourself.**

7. After you have set up your sound card, you are asked to enter your CD-ROM drive letter (e.g.,'D'). Click OK to continue.

8. Enter the location where you want to install KKND. By default KKND is installed to C:\KKND. If you want to install to another drive or directory, enter the path and click OK.

9. Choose the amount of information installed to your hard drive.

- To fully install the game, choose MAXIMUM. This option takes more hard drive space, but allows the game to load and run faster. A confirmation screen appears showing the amount of disk space needed and available. Click YES to continue, NO to go back and make changes.

- To save space, choose MINIMUM.

10. After you have made all your selections the Installation Summary screen appears. If the information is correct, click YES to begin copying files to your hard drive.

- To go back and make a change, click NO.

11. When installation is complete, you are given an option to view the Readme file. This file contains any last minute updates and changes.

- To view the Readme file, click YES. Click NO to skip the Readme file.

12. After viewing the Readme file, click OK to leave the Installation program.

✔ **NOTE:** If you need to make changes to the *KKND* setup, run the Installation program again, select RECONFIGURE, and follow the above instructions starting at Step **5.**

WINDOWS® 95 INSTALLATION

1. Start the Windows 95 operating system.

2. Insert the KKND CD into your CD drive. The autorun Installation screen appears:

INSTALL	Start installing the game	REFERENCE	Install/view electronic manual
PLAY	Start playing after installation	UNINSTALL	Remove KKND from your system
HELP	View the game's Readme file	QUIT	Close the installation screen

✔ **NOTE:** If the Installation screen does not appear, click the **Start** button on the Taskbar, then click **Run....** The Run dialog box appears. Type type D:\INSTALL and click **OK** (substitute the correct letter of your CD drive if other than 'D:').

- To leave the Installation program at any time, select QUIT.

3. Left-click INSTALL to start installation.

Follow the DOS Installation instructions starting at Step 4 to complete installation.

4. To play, insert the game CD and select PLAY from the Autorun menu.

REMOVING KKND

FROM **DOS**

1. Go to the directory or folder where KKND is installed. By default, KKND is installed to C:\KKND.

2. Type KILLKKND.BAT [install_path] and press [Enter] (substitute the correct location of KKND if other than 'C:\KKND'). "[install_path]" refers to the location of KKND on your hard drive.

✔ **EXAMPLE:** If you installed to the default location, you would type **KILLKKND.BAT C:\KKND** [Enter]**.**

3. Type DELTREE C:\KKND and press [Enter]. All KKND files are removed from your hard drive.

FROM **WINDOWS 95**

1. Click the ⊞Start button on the Taskbar, then click Run…. The Run dialog box appears. Type c:\kknd\killkknd.bat [install_path] and click OK (substitute the correct location of KKND if other than 'C:\KKND'). "[install_path]" refers to the location of KKND on your hard drive.

✔ **EXAMPLE:** If you installed to the default location, you would type **c:\kknd\killkknd.bat c:\kknd** [Enter]**.**

2. When the uninstall program has finished, close the MS-DOS Prompt window.

3. Now open the Windows Explorer and remove the 'KKND' folder from your hard drive. All KKND files are removed from your hard drive.

STARTING THE GAME FROM DOS

1. Insert the CD in your CD drive.

2. At the DOS prompt, move to the directory where the game is installed. By default, it is installed in C:\KKND, so you would type:

    C: [Enter]
    CD \KKND [Enter]

3. To start the program, type KKND.EXE [Enter]. The introduction screens appear.

- At each screen, press [Esc] to advance to the next screen. The Game Setup menu appears. For complete gameplay instructions, please refer to the electronic *KKND* manual (see p. 19 for details).

STARTING THE GAME FROM WINDOWS 95

1. Insert the CD in your CD drive.
2. Start the *Windows 95* operating system.

   • On systems that have AutoPlay: KKND loads.
   • **On systems that don't have AutoPlay**: From the Taskbar, click the ⊞**Start** button, then click **Run…**. The Run dialog box appears. Type **C:\KKND\KKND.EXE**. (If KKND is installed in a different location, substitute the correct path.)
3 The introduction screens appear.

   • At each screen, press Esc to advance to the next screen. The Game Setup menu appears.
   ✔ **NOTE:** For complete gameplay instructions, please refer to the electronic KKND manual. See p. 19 for details.

PROBLEMS WITH YOUR SOFTWARE?

If you are having a problem installing or using your software, we want to help.

❒ **First, please read thoroughly the *Installation* and *System Requirements* sections above.**

If you have followed the directions and are still having trouble installing or operating the software, below are some hints that might help solve the problem.

   ✔ **NOTE: Before trying the following suggestions, please make sure you're familiar with the DOS commands being used. Consult your MS-DOS manual for more information.**

CD PROBLEMS

A quad-speed CD-ROM drive is required to run KKND.

RECEIVE "FILE NOT FOUND" ERROR MESSAGE WHEN INSTALLING/RUNNING GAME

   • Make sure the game was properly installed. See **Installation** on p. 2.
   • Make sure the CD is in the CD drive. It must be in the drive to install or run the game.
   • Make sure that the correct driver for your CD drive is loaded in your AUTOEXEC.BAT and CONFIG.SYS files. (Example: In AUTOEXEC.BAT, your CD driver line could be: "C:\WIN-DOWS\MSCDEX /D:MSCD001 /M:10", and in CONFIG.SYS, the CD device driver might appear similar to "DEVICE=C:\DEV\HIT-IDE.SYS /D:MSCD001".)
   ❒ Keep in mind that your CD driver will always contain a 'D/:xxx' switch in both the AUTOEXEC.BAT and CONFIG.SYS files that signifies the CD-ROM device name.

THE MOVIES ARE KIND OF JERKY

   ❒ Non-smooth movie playing could mean your CD ROM drive isn't fast enough-KKND requires at minimum a quad-speed, 600 KB per second CD-ROM drive. If the movies are really giving you trouble, you can always skip them and just get a brief text version of each mission by pressing Esc during a mission and selecting Mission Briefing.

UNDER WINDOWS 95, THE MOVIES ARE STILL JERKY

❒ You may need to optimize your CD performance. Under Windows 95, open the Control Panel window, and double click the System Properties icon, then click on the Performance tab (up top). Once in the Performance Options window, click the File System button, then click the CD-ROM tab. Using the option to optimize your performance, make sure the setting reflects the actual speed of your CD-ROM drive.

VIDEO PROBLEMS

KKND requires a VESA-compatible SVGA video card capable of 640x480 with 256 colors (512K or more video RAM).

✔ **NOTE:** You must have VESA support either built in to the video card or a VESA driver installed on your system before executing this program for the game to run as intended.

If you still are experiencing difficulties with video you may want to consult your video card's manual for specific information on loading a manufacturer-specific VESA driver

GENERAL VIDEO CARD INFORMATION

❒ If your card has a built-in VESA driver, you do not have to load a VESA driver.

❒ Please contact your video card manufacturer with any VESA driver or video card issues.

I CAN'T GET KKND TO RUN ON MY LAPTOP

❒ Often laptops use non-standard video and sound hardware. You may have to experiment with the sound settings to get *KKND* to function correctly. You may have to play with color as well. Try setting it to 24-bit color mode—often, *KKND* won't run correctly when the laptop is set to 256 color mode.

KKND RUNS SLOWLY ON MY MACHINE

❒ Try running a VESA driver, like UNIVBE. It'll improve your video performance. Also, don't forget that *KKND* works better if your video card supports a linear frame buffer.

MEMORY PROBLEMS

KKND requires 500K free conventional memory and 16 MB of extended memory (XMS) to run.

RECEIVE "OUT OF MEMORY" MESSAGE

Your system does not have enough free memory available.

❒ Make sure your system has at least **16 MB** of RAM.

❒ **Make sure you have at least 500K conventional memory and 15 MB XMS free:**

• Type MEM /c Enter from the DOS prompt to check the amount of available memory on your system. A memory summary statement similar to the following is displayed (exact numbers will vary by system):

Type of Memory	Total	Used	Free
Conventional	651,360	63,344	592,016
Upper	158,560	156,256	2,304
Reserved	393,216	393,216	0
Extended (XMS)	15,570,080	2,385,056	**13,185,024**
Total memory	16,777,216	2,997,882	13,779,344
Total under 1 MB	813,920	219,600	594,320
Largest executable program size	**591,872**	(578K)	
Largest free upper memory block	1,284	(0K)	
MS-DOS is resident in the high memory area.			

The important numbers are bold. The "Extended (XMS)" line must read 15,360,000 bytes or higher in the "Free" column. The "Largest executable program size" line must read 512,000 (500K) or higher. To learn how to free up additional memory, see **Creating a Boot Disk**, p. 13.

KKND WON'T LOAD

❑ First, are you in the directory where *KKND* has been installed (usually C:\KKND)? Secondly, have you got at least 500K of free conventional memory? Thirdly, have you got enough free upper memory, 'cause you'll be needing at least 15 MB free. Fourthly, if your machine has 16 MB of RAM, are other programs residing in upper memory that you could maybe remove?

GENERAL MEMORY INFORMATION

❑ You must use an extended memory manager—we strongly recommend using HIMEM.SYS rather than other memory managers such as QEMM.SYS.

❑ We recommend that you temporarily disable any nonessential utilities you may be running in order to free up more memory on your system. Examples of such include:

EMM386.EXE	**ANSI.SYS**
SMARTDRV.SYS	**ANYKEY.COM**
POWER.EXE	**RESUME.SYS**
IFSHLP.SYS	**ASP.SYS**
CSP.SYS	**VSAFE.EXE**
VSHIELD.SYS	**SHARE.EXE**
DOSKEY.COM	**PS1TOOLS (any utiltity)**

Any network drivers you may normally load

SOUND PROBLEMS

KKND supports AdLib Gold, Aria Chipset, Ensoniq Soundscape, ESS Audio Drive, Gravis Ultrasound™, Gravis Ultrasound Max, I/O Magic Tempo, Microsoft Sound System, New Media WAV Jammer, Pro Audio Spectrum 16, Reveal FX/32, Roland RAP-10, Sound Blaster™, Sound Blaster Pro™, Sound Blaster 16™, Sound Blaster AWE32, Sound Galaxy NX Pro 16,

Thunderboard, Toptek Golden 16, and Vibra 16.

INSTALLED SOUND CARD, BUT THERE IS NO SOUND

❐ Make sure your speakers or headphones are plugged into the appropriate jack and the volume control is turned up.

❐ Make sure you selected the correct sound card.

❐ Check to see if the file "THEVOICE.CFG" exists in the root directory of your C drive (C:\). If not, run 'INSTALL.EXE' on the CD-ROM and go through the audio configuration process. This will copy "THEVOICE.CFG" into C:\.

❐ Refer to *Sound Configuration* below.

INSTALLED SOUND CARD, BUT GET STATIC FROM SPEAKERS

❐ Make sure you selected the correct sound card.

MY SOUND CARD DIDN'T MAKE IT TO THE LIST

❐ Your sound card must be 100% compatible with one of the supported sound cards.

KKND FREEZES WHEN VIDEO IS PLAYED

❐ Strangely enough, this could be an audio problem. Check that your audio configuration is properly set up from the install program.

SOUND CONFIGURATION

Make sure the appropriate statement for your sound card is included in your AUTOEXEC.BAT file:

Sound Card	Statement
Sound Blaster	SET BLASTER=[settings] T1
Sound Blaster Pro	SET BLASTER=[settings] T4
Sound Blaster 16	SET BLASTER=[settings] T6
Gravis Ultrasound	SET ULTRASOUND=220,1,1,11,15
Gravis Ultrasound Max	SET ULTRASOUND=220,1,1,11,15 ULTRINIT

❐ If the appropriate statement is not included in the AUTOEXEC.BAT, consult your sound card documentation and/or run the configuration utility for your sound card.

NETWORK PROBLEMS

CAN'T SELECT IPX FROM THE MULTIPLAYER SCREEN

❐ If you don't have a network connection and IPX drivers loaded, your **IPX** button will be dimmed out and unselectable. Check with your network person to find out if your network supports IPX and whether your machine has the drivers configured for it.

MY NETWORK GAME DOESN'T WORK

❐ There might just be too many users on your LAN.

❏ You and your intended war victim may be on opposite sides of a network router. This can cause all sorts of problems, and you'd be better off using a computer on the same router.

❏ Maybe your LAN card is letting you down. Check it's not damaged or installed incorrectly— intense, precise games such as *KKND* sometimes bring out the worst in card faults.

THE NETWORK GAME IS RUNNING, BUT IT'S A BIT SLUGGISH

❏ Slow, busy or unreliable networks can cause multiplayer *KKND* to run correspondingly slowly. Also remember that a network game will only run as fast as the slowest computer being used in a group, so that all machines in the group remain synchronized.

MODEM PROBLEMS

MY MODEM GAME IS NOT WORKING PROPERLY

❏ After making sure that everything is switched on, check that **error correction** and **data compression** are disabled. If they aren't and you're not sure how to activate them, consult the modem's manual. While you're fiddling, make sure that your phone does not have **Call Waiting** enabled. If you don't know how to turn off **Call Waiting**, check with your phone company.

❏ You've been sitting at the Awaiting Connection screen for a while and you're starting to suspect that *KKND* has, well, hung? You might have a noisy line, which, if it happens a lot, could be worth a call to your phone company. Also, make sure your baud rate isn't too high for the game.

❏ The slowest computer or modem sets the pace for all other machines and modems in the multiplayer game. Bad telephone lines or very long serial cables may also be to blame.

MODEM PLAY IS SLOW

❏ Modem performance can often be increased by switching the music level to zero. To do this, go to the Options menu (press O), click OPTIONS and drag the Music slider all the way to the left.

NOT CONNECTING

❏ It is possible that your modem doesn't support a standard initialization string. You can change this string and other modem settings by editing the SERIAL.CFG file in the directory where you installed *KKND*.

SERIAL PROBLEMS

SERIAL CONNECTIONS UNDER WINDOWS 95

❏ Make sure that the serial ports on both machines are set to the same baud rate. To check the baud rate for you serial port, select the **System** icon from the **Control Panel**. Click the **Device Manager** tab and double-click the **Ports (COM & LPT)**. Highlight the port you are using to make a connection, then click the **Properties** button. Click the **Port Settings** tab. The **Bits per second:** number is displayed. We suggest using a setting of 9600, but you should try other settings to find the best rate for your system.

GENERAL TROUBLESHOOTING

I CAN'T GET *KKND* TO INSTALL ONTO MY HARD DRIVE

❏ Do you have enough free hard drive space? You need 20 MB for a minimum install, and 60 MB for a full one, assuming you don't have any disk compression systems running. If you do, well you can just about double the amount of space you need (to 60 MB for minimum install and 110 MB for the full). And maybe you could think about not using a disk compression system with *KKND*-it's under enough pressure as it is.

KKND STILL DOESN'T RUN

❏ View the README.TXT file in the root directory of the CD-ROM. You can do this by typing **type readme.txt |more** (Enter). Check the Last-Minute-Things-To-Go-Wrong section for any additional information.

SYSTEM-SPECIFIC ISSUES

COMPAQ SYSTEMS

Users who have a standard Compaq PC with a manufacturer-installed sound card may need to add some important parameters to one of the startup files in order to get sound with this program.

Sound Blaster-compatible cards need the proper environment settings in your AUTOEXEC.BAT startup file. To determine if your system has these settings follow the steps below.

- From the DOS "C:\>" prompt, type SET (Enter).
- The list displayed is the environment currently running on your system. If this list doesn't contain any line that reads "BLASTER=<settings>" your system is not properly equipped.

You will need to either create a boot disk in order to add this line or add it to your C:\AUTOEXEC.BAT file. (WARNING: We strongly recommend using a boot disk, as this will not make any permanent changes to your system's configuration.) The correct syntax and proper settings of this line must be typed exactly as follows:

    SET BLASTER=A220 I5 D1

REMEMBER: Always reboot after making any changes to your system, and re-run the setup utility in the game's directory. Choose Sound Blaster only. Test, if this is still a problem consult the reference material for other noted suggestions.

GATEWAY SYSTEMS

Included with your Gateway packaging is an orange envelope labeled 'DO NOT THROW AWAY! This envelope contains your SYSTEM DISK'. This system disk must be installed to access your CD-ROM drive in MS-DOS mode.

1. Insert this disk into your A: drive, and at the "A:\>" prompt in DOS type install $\boxed{\text{Enter}}$.

2. Follow the on-screen prompts and complete the installation. Follow these steps with all of the provided install disks to ensure that all components are installed, and working in the DOS portion of your operating system.

❑   Remember to always reboot after making any changes to your system.

PACKARD BELL SYSTEMS

It has been determined that the SOUND144, SOUND16A, and some other varieties of Packard Bell-specific sound cards may not be entirely 100% Sound Blaster compatible. If you are receiving poor quality or no sound when choosing Sound Blaster as your sound card during installation, you need to change the mode that your card is set to run in to ensure consistent compatibility.

The sound systems mentioned above support Sound Blaster emulation by default, but can also be configured to emulate the Microsoft Sound System. If you are receiving no sound when choosing Sound Blaster during the installation or setup, follow the steps below to set up your card as a Microsoft Sound System.

SOUND144 SOUND CARD OWNERS
You need to add the following line to the AUTOEXEC.BAT file on a boot disk or your C: drive. (WARNING: We strongly recommend using a boot disk {see Creating a DOS Boot Disk on p. 13}, as this will not make any permanent changes to your system's configuration.) The correct syntax of this line is as follows.

    C:\SOUND144\UTILITY\SETMODE /MSS

SOUND16A SOUND CARD OWNERS
Add the following line to AUTOEXEC.BAT:

    C:\SOUND16A\UTILITY\SETMODE /MSS

MMPRO16 SOUND CARD OWNERS
Add the following line to AUTOEXEC.BAT:
    C:\MMPRO16\UTILITY\SETMODE /MSS

For owners of a variety of other Packard Bell sound cards the same method will apply, i.e.:

    C:\<card name>\UTILITY\SETMODE /MSS

REMEMBER: Always reboot after making any changes to your system, and re-run the install program for your game. Choose WINDOWS SOUND SYSTEM and then click TEST to test your choice. If you still have sound problems, consult the reference material for other noted suggestions.

CREATING A DOS BOOT DISK

Starting your computer using a DOS boot disk allows you to free up more memory without altering the CONFIG.SYS and AUTOEXEC.BAT files on your hard drive. Booting your computer with a DOS boot disk does not prevent you from accessing your hard drive, it merely provides a different method for configuring your memory. After you create a DOS boot disk, you will copy your CONFIG.SYS and AUTOEXEC.BAT files from your hard disk onto the boot disk and modify these copies. We recommend using this procedure to avoid altering the CONFIG.SYS and AUTOEXEC.BAT files on your hard drive, which may affect your memory configuration for running other applications.

Below are instructions for creating a DOS boot disk. Please follow these steps exactly.

✔ **NOTE:** To create a DOS boot disk you must use a disk that will fit in your A: drive. Your computer will not boot from the boot disk if it is inserted in the B: drive.

1.   From the DOS prompt, type C: and press ⌷Enter⌷.

2.   Place the blank disk into drive A:.

3.   Type FORMAT A:/S ⌷Enter⌷. Be sure to include the spaces.

⇨ **You will be prompted to insert a blank disk into drive A:. Do so if you haven't already, and press ⌷Enter⌷.**

4.   Once the disk is finished formatting, you will be asked to label (name) the disk. Type in a name and press ⌷Enter⌷ or simply press ⌷Enter⌷ for no name.

5.   A prompt appears asking whether you wish to format another disk. Type ⌷N⌷ and press ⌷Enter⌷.

To configure your DOS boot disk to free up additional conventional memory and enable Extended memory:

1.   Back up your CONFIG.SYS and AUTOEXEC.BAT files before editing them so that you can return to the originals if you have any problems:

- **a**. At the C:\ prompt, type **COPY C:\CONFIG.SYS C:\CONFIG.BAK** and press ⌷Enter⌷.
- **b**. Type **COPY C:\AUTOEXEC.BAT C:\AUTOEXEC.BAK** ⌷Enter⌷.

2.   Copy the CONFIG.SYS and AUTOEXEC.BAT files from the root directory on your hard drive (C:\) to the root directory on the boot disk that you have just created (A:\):

- **a**. At the C:\ prompt, type **COPY C:\CONFIG.SYS A:** ⌷Enter⌷.
- **b**. Type **COPY C:\AUTOEXEC.BAT A:** ⌷Enter⌷.

3.   Open the boot disk copy of the AUTOEXEC.BAT file (on A:) using the EDIT program from MS DOS 5.0 or greater:

- **a**. From the C: prompt, type **CD \DOS** ⌷Enter⌷.
- **b**. Type **EDIT A:\AUTOEXEC.BAT** ⌷Enter⌷.

4. From the boot disk copy of the AUTOEXEC.BAT file, delete all lines except the following (items enclosed in {brackets} indicate system-specific variables):

Line	Notes
PATH=[Path]	[Path] will vary by system
PROMPT PG	
[Your sound card driver]	Example:
	SET SOUND = C:\SBPRO
	SET BLASTER = A220 I7 D1 T4)
[Your CD-ROM driver]	Example: C:\DOS\MSCDEX.EXE /S /D:SONY_000
C:\[directory]\MOUSE.COM	(Or equivalent mouse driver)

✔ **NOTE:** If your mouse line looks different from the examples above, you may not be using the MOUSE.COM mouse driver. *Do not* change this line if it looks different from the examples above. Drivers with a .SYS extension will be loaded through the CONFIG.SYS file and should be left in place when you are editing that file. If you have other questions about loading your particular mouse driver, consult your mouse or DOS manuals.

5. Save the edited AUTOEXEC.BAT file and open the boot disk copy of the CONFIG.SYS file from within EDIT.

❒ To save, press [Alt]-[F] to bring down the File menu, then type [S].

⇨ To open, press [Alt]-[F], type [O], then type **a:\config.sys** and press [Enter].

6. **While still in EDIT, delete all lines from the boot disk copy of the CONFIG.SYS file EXCEPT the following:**

Line	Notes
DEVICE=C:\DOS\HIMEM.SYS	(Or C:\WINDOWS\HIMEM.SYS)
DOS=HIGH	
BUFFERS=30	
FILES=30	
[Your CD-ROM device driver]	Example: C:\DEV\SLCD.SYS /D:SONY_000 /B:340 /M:P /V /C

Your CONFIG.SYS file should now look like the above example. If it does not, edit it now to make it look similar to the text above.

7. Save the edited CONFIG.SYS file and exit the EDIT program.

❒ To save, press [Alt]-[F], then type [S].

⇨ To exit the Edit program, press [Alt]-[F], then type [X].

You now have a boot disk which should free up enough conventional memory and set up enough Extended memory to run the program. The boot disk bypasses the AUTOEXEC.BAT and CONFIG.SYS files on your hard drive and configures your memory based on the AUTOEXEC.BAT and CONFIG.SYS files on your boot disk.

TO START UP YOUR MACHINE USING THE DOS BOOT DISK:

1. Insert the DOS boot disk into drive A:, then restart your machine. Your computer will boot up to the A:\ prompt.

2. Type C: and press ⌐Enter⌐ to return to your hard drive.

✔ **NOTE: If you want to return your system to its normal memory configuration, simply remove the DOS boot disk from the A: drive and restart your machine.**

For more information on editing your CONFIG.SYS and AUTOEXEC.BAT files, or on changing your startup configuration, consult your DOS manual.

WINDOWS® 95 USERS

Problem: I'm not sure if I can run KKND from Windows 95. I'm frightened.

Solution: Just stay calm. KKND runs fine from Windows 95-just refer to the **Starting the Game from Windows 95** section of this ref. card. What's that? You've got an earlier Windows version? Hmmm... you should really shut it down, re-start your computer with a DOS boot disk (see **Creating a DOS Boot Disk** on p. 13), and run KKND from clean DOS. Don't launch an MS-DOS prompt and try running KKND from the command line, however. Just don't.

SWITCHING TO MS-DOS MODE

If you have difficulty running this program from the Windows 95 operating system, we recommend switching to MS-DOS mode. To configure your computer for MS-DOS mode:

1. Left-click on the ⌐Start button on the Taskbar. The Start menu opens.

2. From the Start menu, click on Shut Down….

3. From the Shut Down Windows dialog box that appears, click on Restart the computer in MS-DOS mode, then click Yes. The computer restarts in MS-DOS mode.

4. When you return to the Command Prompt, type cd\kknd ⌐Enter⌐. (If you installed to a different directory, substitute the appropriate directory.)

5. To start the game, type KKND ⌐Enter⌐.

6. To return to Windows 95 after you exit from the game, type exit ⌐Enter⌐ at the DOS prompt.

CREATING AN MS-DOS MODE ICON

Although your CD-ROM drive, sound card, mouse, and other peripherals may work perfectly with Windows 95, they may need to be configured manually to work in MS-DOS mode. If you are having problems running this game from Windows 95 that the previous instructions didn't solve, we recommend that you create a new MS-DOS mode icon that can be used to create a proper MS-DOS environment for this and other DOS programs.

Before you start, you'll need to gather a few details from your system. Please follow the instructions below according to your system. It's important to note that the instructions should be used in addition to your PC manufacturer's supporting documentation.

STEP 1: DETERMINING YOUR CD-ROM DEVICE DRIVER

If you purchased a PC with Windows 95 already installed:

Before you create an icon, you need to gather details of your DOS CD-ROM device driver and its location (or path) on your hard drive. This depends on where your PC retailer or manufacturer has placed them on your system. You may find the name of your CD-ROM device driver in your CD-ROM documentation. Typically, this is 4-8 characters in length and ends in .SYS (e.g., SBCD.SYS, SLCD.SYS, CDMKE.SYS, MTMCDAI.SYS, ATAPI_CD.SYS, etc.). You can also find this by going into DOS and listing the contents of your CONFIG.SYS file. To do this, type type config.sys [Enter] at the "C:\>" prompt. If it is in this file it looks something like this:

DEVICE=C:\[path]\[CD device driver].SYS /D:xxxxx.

This line varies according to your PC, but it will definitely start with DEVICE or DEVICEHIGH, and should contain a "/D:xxxx" in the line–e.g., DEVICE=C:\SB16\DRV\SBCD.SYS /D:MSCD000. If you have done the above and cannot locate the name of your CD driver, you need to speak to your PC retailer/manufacturer. If you have found the line, copy it down exactly appears onto a piece of paper. Proceed to Step 2.

If you installed Windows 95 onto a PC previously running another version of Windows and DOS:

Before you can create an icon, you need to have details of your DOS CD-ROM driver and its location (or path) on your hard drive. Typically, the driver is 4-8 characters in length and ends in .SYS (e.g., SBCD.SYS, SLCD.SYS, CDMKE.SYS, MTMCDAI.SYS, ATAPI_CD.SYS, etc.). You can find this by going into DOS and listing the contents of your original CONFIG.SYS file. To do this, type type config.dos [Enter] at the "C:\>" prompt. It looks something like this:

DEVICE=C:\[path]\[CD device driver].SYS /D:xxxxx.

This line varies according to your PC, but it will definitely start with DEVICE or DEVICEHIGH, and should contain a "/D:" in the line–e.g., DEVICE=C:\SB16\DRV\SBCD.SYS /D:MSCD000. When you find the line, copy it exactly as it appears onto a piece of paper. Proceed to Step 2.

STEP 2: CREATING THE ICON AND SPECIFYING CONFIG.SYS AND AUTOEXEC.BAT PARAMETERS

1. Start the Windows 95 operating system. (If you are in DOS, type exit [Enter].)

2. Right-click anywhere on your desktop to bring up a small menu. Left-click on New, then left click on Shortcut. The Create Shortcut menu appears.

3. In the Command line, type c:\windows\command.com, then click Next>, followed by Finish. If Windows 95 is installed in a directory other than C:\WINDOWS, replace the text 'c:\windows' with the appropriate directory.

4. Right-click the new MS-DOS prompt icon and select Properties. Select the Program tab at the top of the window and click Advanced… to view the Advanced Programs Settings menu.

5. Select the MS-DOS mode box, then click the Specify a new MS-DOS configuration option. Two boxes appear below.

6. **The first box is the CONFIG.SYS file that is used when Windows 95 restarts in DOS mode. Leave the two lines that are already there and add the following lines:**
   files=30
   buffers=30
   device=c:\[CD-ROM directory]\[CD-ROM device driver] /d:mscd000

7. Add the CD-ROM device driver line just as you copied it down earlier, but leave out the '/d:xxxxx' assignment, and use the one shown above instead (/d:mscd000).

8. In the AUTOEXEC.BAT for MS-DOS mode box, add this line:

   C:\WINDOWS\COMMAND\MSCDEX.EXE /D:MSCD000

If Windows is installed in a directory other than C:\WINDOWS, substitute the appropriate path for 'c:\windows'.

9. Click on OK to close, then click on OK again to return to the desktop to use your new icon.

10. To use your new icon, double click on it. A box appears to advise you that you are entering MS-DOS mode. Click Yes to confirm, and the computer restarts in MS-DOS mode. You can then install and play the game according to the DOS instructions.

CORRECTING SOUND PROBLEMS

If you experience problems with your sound card you need to ensure that you have all correct device drivers loaded in the CONFIG.SYS and AUTOEXEC.BAT files. Using the same procedure as you did to locate your CD-ROM device driver, find the sections that refer to your sound card and copy them down onto a piece of paper.

✔ **TIP:** Try looking for the following key words: BLASTER, SOUND, and SB. For example, the required settings for a Sound Blaster AWE 32 might be:
   SET BLASTER=A220 I5 D1 H5 P330 T6
   SET SOUND=C:\SB16

There will be other drivers that pertain directly to your sound card that do not start with 'SET'. There should be at least one driver line in CONFIG.SYS that starts with 'DEVICE' or 'DEVICE-HIGH=', and in many instances multiple lines in AUTOEXEC.BAT (e.g., C:\SB16\AWEUTIL, C:\SB16\DIAGNOSE /S, C:\SB16\SB16SET). These lines and any corresponding driver lines should be included. For more information, refer to your system documentation and/or manufacturer.

LOADING A MOUSE DRIVER

Since a mouse is required for the game, you also need a DOS device driver for your mouse. Typically this driver will be called MOUSE.COM, and may be found in the C:\MOUSE directory. If this is the case, add the following line to the AUTOEXEC.BAT file:

   C:\MOUSE\MOUSE.COM

If you cannot locate your DOS mouse driver, please refer to your mouse documentation and/or manufacturer for more information.

TECHNICAL SUPPORT

If you have questions about the program, our Technical Support Department can help. Please be sure to include the following information in your letter, fax, or e-mail message:

- ❐ **Computer manufacturer**
- ❐ **Operating system (Windows 95, DOS 6.22, etc.)**
- ❐ **CPU type and speed in MHz**
- ❐ **Amount of RAM**
- ❐ **Sound card type and settings (address, IRQ, DMA)**
- ❐ **Video card, CD-ROM, Mouse driver and version**
- ❐ **Joystick and game card (if any)**
- ❐ **A copy of the CONFIG.SYS and AUTOEXEC.BAT files from your hard drive.**
- ❐ **A description of the problem you're having.**

If you need to talk to someone immediately, call us at (415) 572-2787 Monday through Friday between 8:30 AM and 4:30 PM, Pacific Time. Please have the above information ready when you call. This will help us answer your question in the shortest possible time.

Electronic Arts Technical Support   Fax: (415) 286-5080.
P.O. Box 7578
San Mateo, CA 94403-7578

HOW TO REACH US ONLINE

COMPUSERVE	Game Publishers A Forum (GO GAMAPUB) Or send e-mail to 76004,237
AMERICA ONLINE	Send e-mail to ELECARTS
INTERNET E-MAIL	support1@ea.com Or send e-mail to elecarts@aol.com or 76004.237@compuserve.com
Warranty inquiries	cswarranty@ea.com
WORLD WIDE WEB:	Access our Web Site at http://www.ea.com
FTP	Access our FTP Site at ftp.ea.com

If you live outside of the United States, you can contact one of our other offices.

In Australia, contact:
Electroic Arts Pty. Ltd.
P.O. Box 432
Southport Qld 4215, Australia
Phone (753) 546465.

In the United Kingdom, contact:
Electronic Arts Ltd.
P.O. Box 835
Slough SL3 8XU, UK

In **Australia**: For Technical Support and Game Hints and Tips, phone the EA HOTLINE: 1 902 261 600 (95 cents per min.) CTS 7 days a week 10 AM—8 PM.
If you are under 18 years of age parental consent required.

USING THE ELECTRONIC DOCUMENTATION

The electronic documentation is viewable with an Adobe Acrobat reader version 2.1 or later. The game CD includes installation software for the Acrobat 3.0 reader. The viwer will work in both Windows 3.1 and Windows 95.

NOTE: To run the Adobe Acrobat reader simultaneously with the game software, you must have at least 4 MB of RAM and 5 MB hard drive space free, in addition to the game's listed requirements.

QUICK STEPS

Platform	Installing/Viewing
Windows 95	Insert game CD. From the autorun menu, select REFERENCE, then INSTALL ACROBAT.
	Start Acrobat/view file (Insert game CD. Select REFERENCE, then VIEW EDOCS.)
Windows 3.1	Run <CD drive>:/EDOCS/ar32e301.exe
	Start Acrobat (From Program Manager, select File, then Run. Select the Acrobat Reader 3.0 icon.)

WINDOWS 95

To install the Adobe Acrobat reader:

1. Insert the game CD-ROM into the CD drive.

    Wait for the Autorun menu to appear. (If it doesn't, select My Computer. Then, double-left-click on the CD icon, and then on AUTORUN.EXE.)

2. Left-click on REFERENCE. (This runs AR32E301.EXE, located in the **EDOCS** directory on the CD.)

3. From the new screen that appears, left-click on INSTALL EDOCS .

4. Select one of the options that appears onscreen:

    INSTALL ACROBAT   Launches the Acrobat setup program.

    Follow the onscreen prompts to install the viewer program files.

    During the install process, you'll be prompted to install Quick Time. You do not need this program to view the documentation. To avoid Quick Time installation, click exit when prompted to install it.

    VIEW E-DOCS   Opens the elecronic manual.

    If you receive an error message, you may not yet have installed Adobe Acrobat, or you may have installed it incorrectly. Try uninstalling then re-installing it.

    CANCEL   Closes the launcher screen and returns to Windows 95.

WINDOWS 3.1

NOTE: You do not need to install Quick Time to use the documentation. You can quit Quick Time installation by clicking EXIT when it tries to install the program.

To install the Adobe Acrobat reader:

1. In the Program Manager, select **Run** from the **File** menu.

2. Type the following line and then press ⌷Enter⌷. Replace the bracketed information with the letter of your CD-ROM drive:

    <CD drive>:\ACROWIN\DISK1\SETUP.EXE

3. Follow the instructions that appear onscreen to install Acrobat.

To activate Acrobat/open the manual:

1. From the Program Manager, select the **File** menu, then **Run.**

2. Double-left click on the Acrobat Reader 2.1 icon. (If the icon is not visible, double-left click on the Acrobat program group icon to open the Acrobat window.)

3. Select the **File** menu, then **Open.**

4. Select the CD drive and switch to the **EDOCS** folder.

5. Double-left click on MAIN.PDF.

UNINSTALLING/RE-INSTALLING

WINDOWS **95**

If you ever want to remove the Adobe Acrobat viewer from your system in *Windows 95*, select **Start**, then **Settings/Control Panels**. Then, select **Add/Remove Programs**. Finally, select **Acrobat Reader** from the list of installed programs and left-click the ADD/REMOVE PROGRAM button. You can then reinstall as described on the previous page by using the Autorun menu.

WINDOWS **3.1**

To remove the Adobe Acrobat viewer from your system in *Windows 3.,* simply delete the **Acrowin** directory from your hard drive. You can then reinstall as described on the previous page.

ACROBAT HELP

To activate help, select HELP from the Acrobat menu bar. Then, select Online Reader Guide.

The README.TXT file and Adobe Acrobat software license agreement are on the game disc under the acrowin directory. These files contain additional information on this program.

MANUAL ORDER FORM

To order the printed manual and full-color reference card, please send this form along with check or money order for $5.00 (US$ must be drawn on a US or Canadian bank).

Electronic Arts
P.O. Box 7530
San Mateo, CA 94403
Attn: CD Classic Manuals

Name _____

Address _____

_____

City _____ State _____ Zip _____

KKND™

If you need to contact us regarding the documentation, please call us at (415) 513-7555.

ELECTRONIC ARTS®
1450 Fashion Island Blvd. San Mateo, CA 94404

part #?