FIFA SOCCER 96
Reference Card
PC CD-ROM

SYSTEM REQUIREMENTS

Minimum Configuration

- 486DX2/66 MHz processor
- 8 MB RAM, 7.5 MB RAM free
- DOS 5.0 or higher
- Double-speed CD-ROM drive (MPC-2 Compliant)
- MSCDEX 2.21 or higher (Microsoft CD-ROM Extensions)
- 512K SVGA (640x480) VLB/PCI video card with VESA compatible driver
- 1 MB of free hard disk space
- Keyboard
- Microsoft™ Mouse version 7.04 or 100% compatible mouse

Recommended Configuration

- Pentium™ CPU recommended for hi-res (640x480) gameplay
- 16 MB RAM
- 25 MB hard drive space free
- Gravis Gamepad
- Gravis PC Gamepad™ or analog joystick
- 16-bit Sound Blaster™ compatible sound card

Supported Hardware

- 100% Hayes compatible 9600 BPS or faster modem with 16550 UART chip for modem Play
- Joystick
- Gravis Grip™ 4-Player adaptor
- Gravis Ultrasound™, Sound Blaster 16™, or Windows Sound System™ compatible sound card.

Quick Start

Installation

NOTE: Be sure to have an MS mouse driver loaded before starting the install.

1. Insert the CD in your CD drive.

2. At the DOS prompt, type `D:` and press `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` and press `ENTER` to start the installation program. The Language Choice screen appears.

4. Use the mouse to double click the language of your choice. The Install screen appears.

5. To view in-depth installation information, left-click the VIEW THE README FILE menu item.

6. To use a 4 button joypad, left-click the box labeled 4-BUTTON JOYPAD.

7. To set up your sound card, left-click the SOUND CARD SETUP menu item. The Sound Card Setup screen appears.

   - To choose your soundcard, left-click the name of your soundcard or left-click the AUTODE-TECT menu item.
   - To test your sound card selection, left-click the TEST menu item.
   - To cancel your sound card selection, double click the CANCEL menu item.
   - To accept the highlighted selection, left-click the OK menu item. The Install screen appears.

8. To run *FIFA 96* directly from the CD, left-click the RUN GAME ON CD menu item.

9. To install *FIFA 96* to your hard drive, double click the INSTALL TO HARD DRIVE menu item.

   - To install the recommended number of files (5 MB), left-click the RECOMMENDED menu item.
   - To install the maximum number of files (25 MB), left-click the MAXIMUM menu item.

   NOTE: The actual size of the installation will vary depending on the available XMS on your system.

   - To change the install path from the default (C:\FIFA96), highlight the installation path box and type the path of your choice.
   - To accept your installation selection, left-click the INSTALL menu item. The Install screen appears.
   - To cancel your installation selection, left-click the CANCEL menu item. The Install screen appears.

Technical Support

If you have questions about the program, our Technical Support Department can help. If your question isn't urgent, please write to us at:

> Electronic Arts Technical Support
> P.O. Box 7578
> San Mateo, CA 94403-7578

Please be sure to include the following information in your letter:

- ❑ Product name.
- ❑ Type of computer you own.
- ❑ Amount of and configuration of memory.
- ❑ Any additional system information (like type and make of video card, sound card, monitor, modem, etc.).
- ❑ DOS and/or Windows version number.
- ❑ Description of the problem you're having.

If you need to talk to someone immediately, call us at (415) 572-ARTS 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. **EA Tech Support Fax:** (415) 286-5080.

HOW TO REACH US ONLINE

CompuServe: Game Publishers Forum A (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
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:	In the **United Kingdom**, contact:
Electronic Arts Pty. Ltd.	Electronic Arts Ltd.
P.O. Box 432	P.O. Box 835
Southport Qld 4215	Slough SL3 8XU, UK
Australia.	Phone (753) 546465.

In **Australia:** Gameplay, Hints, and Tips Line Phone: 1 902 262 062 (1.00 per min.) ITMS
Technical Support Phone: 1 902 263 163 (2.00 per min.) ITMS
7 days a week 8:30 AM—10:30 PM. If you are under 18 years of age parental consent required.

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.

Starting the Game

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:\FIFA96 so you would type:

   • `C` `:` and press `ENTER`

   • `C` `D` `\` `F` `I` `F` `A` `9` `6` and press `ENTER`

3. To start the program, type `F` `I` `F` `A` `9` `6` and press `ENTER`. The EA SPORTS screen appears, followed by the video introduction sequence.

   • Press any key to skip the video introduction and advance to the Title screen. At the Title screen press any key to go to the Game Select screen.

Installation for Windows® 95

1. Start the Windows 95 operating system.

2. Insert the CD into your CD drive. The Electronic Arts Windows 95 AUTORUN LAUNCHER screen appears.

3. To begin installing the program, click the INSTALL icon. The Language Selection screen appears.

   • To quit without installing, click the DOS icon.

4. Follow the onscreen prompts to complete installation. (See *Installation*, above for information on installation options.)

   • If you receive the error message "ERROR: WINDOWS DESKTOP DIRECTORY NOT FOUND" after the installation has finished, Windows 95 has been installed to a directory other that the default (C:\WINDOWS). You will need to open up the FIFA 96 directory and drag the FIFA 96 shortcut icon onto your Desktop. The alternative is the *Quick Start Installation* on p. 2.

   NOTE: To view last minute updates and information, double click the VIEW THE READ ME FILE menu item.

5. When the *FIFA 96* files have been copied, the Electronic Arts Windows 95 LAUNCHER screen appears. You must click QUIT to complete installation.

Starting the Game from Windows® 95

   • Insert the *FIFA 96* CD in your CD drive.

   • Double click the *FIFA 96* icon located on your desktop.

   • The EA SPORTS screen appears, followed by the video introduction sequence.

   • Press any key to advance to the Title screen. At the Title screen, press any key to go to the Game Select screen.

NOTE: The FIFA 96 Shortcut Icon uses the current MS-DOS configuration. If there are problems running the game with the icon, ensure that your CD-ROM driver, sound card drivers, mouse driver and MSCDEX are being loaded in the CONFIG.SYS and AUTOEXEC.BAT files. (See CD Problems for information on CD-ROM driver installation). In addition, ensure that the appropriate SET BLASTER statement is located in the AUTOEXEC.BAT file. (See Sound Problems for information on sound configuration).

Problems with Your Software?

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

❏ First, please make sure you have 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 attempting any of the following suggestions, please make sure you are familiar with the DOS commands being used. Consult your DOS manual for more information.

CD Problems

A double-speed CD-ROM drive is required to run *FIFA 96*—and you'll get even better results from a triple- or quad-speed CD drive.

Receive "File not found" error message when installing or running the game

❏ Make sure the game was properly installed. See *Installation* on p. 2.

❏ Make sure that the CD is in the CD drive. The CD 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:\DOS\MSCDEX.EXE /S /D:SONY_000", and in CONFIG.SYS, the CD device driver might appear similar to "C:\DEV\SLCD.SYS /D:SONY_000 /B:340 /M:P /V /C".)

Video Problems

FIFA 96 requires a local bus SVGA video card capable of 640x480 with 256 colors (512K or more video RAM)

Receive "VESA Info. Not Found/Installed." error message when trying to run the game.

❏ Make sure that a VESA driver has been loaded.

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

5. 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.

6. A prompt appears asking whether you wish to format another disk. Type N and press ENTER .

   You now have a DOS boot disk. Rather than changing your permanent system software configuration, you can use the DOS boot disk and the HIMEM memory manager software included with MS DOS 5.0 (or greater) to temporarily free up conventional memory and set up Extended (XMS). To do so, follow the instructions below.

   NOTE: If you are NOT using the HIMEM.SYS memory manager, consult your manufacturer's manual for more information on the proper way to load the program through the CONFIG.SYS file.

READ THIS SECTION COMPLETELY BEFORE YOU BEGIN.

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** 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: SETSOUND = C:\SBPRO SETBLASTER = 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)

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❏ Make sure you selected the correct sound card.

> NOTE: If you have a 16 bit sound card, ensure that the high DMA channel has been set up correctly in your CONFIG.SYS file. (e.g. BLASTER=A220 I5 D1 H5)

❏ Refer to *Sound Configuration* below.

Installed sound card, but get static from speakers

❏ Make sure you selected the correct sound card.

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.

> NOTE: FIFA 96 supports Ultrasound directly. If you have and Ultrasound, make sure there is no 'BLASTER=' statement in your AUTOEXEC.BAT file.

Creating a 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 F O R M A T A : / S and press ENTER . Be sure to include the spaces.

Modem Problems

FIFA 96 requires a 100% Hayes compatible 9600 baud or faster modem, with high speed (16550 UART) serial card for modem play.

Modem does not Initialize

• Make sure you selected the correct modem.

• Make sure that there are no other peripherals (e.g. mouse) that are conflicting with the modem.

• Make sure that all modem settings (e.g., COM PORT, IRQ) are correct. Please consult your modem documentation for proper installation.

• Choose the Generic 1 or 2 option under Modem Type in the Modem Configuration screen.

Modems Connect but do not Exit Syncronization

• Make sure you selected the correct modem.

• While you are in the game, abort the connection by pressing ALT F10 , and try connecting again.

• Click on INIT STRING in the Modem Configuration screen and add ",,," to the end of the initialization string.

• Choose the Generic 1 or 2 option under Modem Type in the Modem Configuration screen.

General Modem Information

• Your modem must be set to connect at 9600 BPS, with error correction and compression disabled.

• Hardware (RTS/CTS) flow control must be enabled and software (XON/XOFF) flow control must be disabled.

• Consult your modem manual for the appropriate AT commands to set these options and insert them into the initialization string.

When modems have trouble connecting, the problem may be that they did not initialize properly. Try turning off both modems, then start the connection procedure again.

• If you are experiencing slow or choppy game play after connecting: This may be due to data compression, error correction, hardware flow, or software flow being enabled. Consult your modem owners manual for the proper initialization string to disable these settings.

• Some modems load settings into NVRAM (non-volatile RAM) when you turn them on; these settings may be incompatible with *FIFA 96*.

• If your modem has difficulty initializing and there are no apparent Com Port or IRQ conflicts, try the following: Go into a comm program (i.e. Terminal for Windows 3.x, Procomm, etc.) and type **at&f**. Wait for the OK then type **at&w0**. Your modem is reset with the factory default settings loaded into NVRAM.

Joystick Problems

For maximum enjoyment of *FIFA 96*, we recommend using an analog joystick, Gravis PC Gamepad™, or the Gravis Grip™ during gameplay. For optimum performance joysticks must be calibrated before playing a game.

To calibrate joysticks:

> NOTE: The Gravis Grip™ does not require calibration.

Joystick Calibration:

1. From the Game Setup screen, click OPTIONS. The Options screen appears.
2. Click the CALIBRATE JOYSTICK icon. The Joystick Calibration screen appears. Click the CALIBRATE JOYSTICK 1 icon.
3. Make sure your joystick is centered, then press in each of the eight directions. This should fire up each of the eight calibration points.
4. If you're unable to fire up each calibration point, click RESET, center your joystick again, and re-calibrate.
5. Follow the steps above for calibrating Joystick 2.

Joystick responds erratically during gameplay

- ❏ Re-calibrate your joystick according to the steps above.
- ❏ Your game port may not be configured correctly. Refer to your game/sound card documentation for configuration information.
- ❏ Make sure your joystick is functioning properly.
- ❏ Some newer machines run at speeds that are too fast for some older game cards. Use the turbo option or speed selection to slow your machine down.

General Joystick Information

- • If you have a built in I/O port or game card (other than the game port on your sound card), we recommend that you disable the joystick port jumper on your sound card.
- • Using two joysticks requires either 2 game ports or a "Y" cable. (Not all game ports support "Y" cables. Refer to your game/sound card documentation for additional information.)

Memory Problems

FIFA 96 requires 360K free conventional memory and 7.5 MB of total memory to run.

Receive "Out of memory" message

Your system does not have enough free memory available.

- ❏ Make sure your system has at least 8 MB of RAM.
- ❏ Make sure you have at least 360 K conventional memory and 7.5 M Total Memory free:
- ❏ Type Ⓜ Ⓔ Ⓜ Ⓘ Ⓒ ⒺⓃⓉⒺⓡ 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			591,728		(578K)
Largest free upper memory block			1,284		(0K)
MS-DOS is resident in the high memory area.					

The important numbers are bold. These two numbers should sum to at least 7,654,604. For detailed information on freeing up additional memory, refer to *Creating a Boot Disk* on p. 8.

General Memory Information for 8MB Systems

- • We recommend that you use the HIMEM.SYS extended memory manager
- • We recommend that you do not use EMM386.EXE.
- • We recommend that you do not load ANSI.SYS.
- • We recommend that you do not load DOSKEY.COM.
- • We recommend that you do not use a disk caching utility such as SMARTDRV.EXE.

Sound problems

FIFA 96 supports Sound Blaster™, Sound Blaster Pro™, Sound Blaster 16™, Gravis Ultrasound™, and Windows Sound System™ sound cards.

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.