

EA SPORTS™ PGA TOUR® GOLF

System Documentation
040-0001-01 Rev A

Read this manual before use.

Keep this manual with the machine at all times.

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Safety

- The following safety instructions apply to all game operators and service personnel. Specific warnings and cautions will be found throughout this manual where they apply. We recommend that you read this page before preparing your arcade cabinet for game play.
- Use the following safety guidelines to help protect the system from potential damage and to ensure your personal safety.
- To help avoid damage to the computer, the power supply on the computer automatically detects the voltage to match the AC power available at the location:
  - 115 volts / 60Hz in most of North and South America and some Far Eastern countries such as Japan, South Korea and Taiwan
  - 230 volts / 50Hz in most of Europe, the Middle East and the Far East
- To help prevent electric shock, plug the system into properly grounded power source. These cables are equipped with 3-prong plugs to help ensure proper grounding. Do not use adapter plugs or remove the grounding prong from a cable. If you must use an extension cable, use a 3 wire cable with properly grounded plugs
- To help protect your system from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner or Uninterruptible Power Supply (UPS).
- Be sure nothing rests on the system's cables and that the cables are not located where they can be stepped on or tripped over.
- Do not spill food or liquid on the cabinet.
- Do not push any objects into the openings of the system. Doing so can cause fire or electric shock by shorting out interior components.
- Keep your computer far away from radiator and heat sources.
- Do not block cooling vents.

Warnings

	To avoid electrical shock, unplug the cabinet before performing the installation procedures.
	GLOBAL VR assumes no liability for any damages or injuries incurred while setting up the EA SPORTS™ PGA TOUR® GOLF cabinet. As such, only qualified service personnel should perform this installation!

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Environmental Conditions

EA SPORTS™ PGA TOUR® GOLF cabinet is intended for indoor use only. Be sure to keep the cabinet dry and maintain operating temperatures of 10-40 Celsius.

Regulatory Notices

FCC Notices (United States)

Electromagnetic Interference (EMI) is any signal or emission, radiated in free space or conducted along power or signal leads, that endangers the functioning of a radio navigation or other safety service or seriously degrades, obstructs, or repeatedly interrupts a licensed radio communications service. Radio communications services include, but are not limed, to AM/FM commercial broadcast, television, cellular services, radar, air-traffic control, pager, and Personal Communication Services (PCS). These licensed services, along with unintentional radiators such as digital devices, include computer systems, contribute to the electromagnetic environment.

Elector magnetic Compatibility (EMC) is the ability of items of electronic equipment to function properly together in the electronic environment. While this computer system has been designed and determined to be compliant with regulatory agency limits for EMI, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference with radio communications services, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna
- Relocate the computer with respect to the receiver
- Move the computer away from the receiver
- Plug the computer into a different outlet so that the computer and the receiver are on different branch circuits

If necessary, consult a Regulatory EMC representative of GLOBAL VR or an experienced radio/television technician for additional suggestions. You may find the FCC Interference Handbook, 1986, to be helpful. It is available from the U.S. Government Print Office, Washington, DC 20402, Stock No. 004-000-00450-7 or on the word wide web at http://www.fcc.gov/bureaus./compliance/www/tvibookt.html.

This device has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio

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frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference with radio communications. Operation of this equipment in an residential area is likely to cause harmful interference, in which case you will be required to correct the interference at your own expense. Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

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EA SPORTS™ PGA TOUR® GOLF Description

Congratulations for choosing GLOBAL VR's and EA Sports™ PGA TOUR® Golf cabinet. PGA TOUR® GOLF is powered by a Pentium 4 computer, superior 3D Real-time Graphics, and a 800 x 600 super VGA Monitor. You can be sure you are getting real golf courses, real golfers, and the best visual golf game around. GLOBAL VR's team of engineers listened to what the Game Operators wanted to see in a golf cabinet and we delivered an exciting new version of Arcade Golfing. Version 1.2 of EA SPORTS™ PGA TOUR® GOLF is an earnings winner.

EA SPORTS™ PGA TOUR® GOLF provides the following benefits to operators:

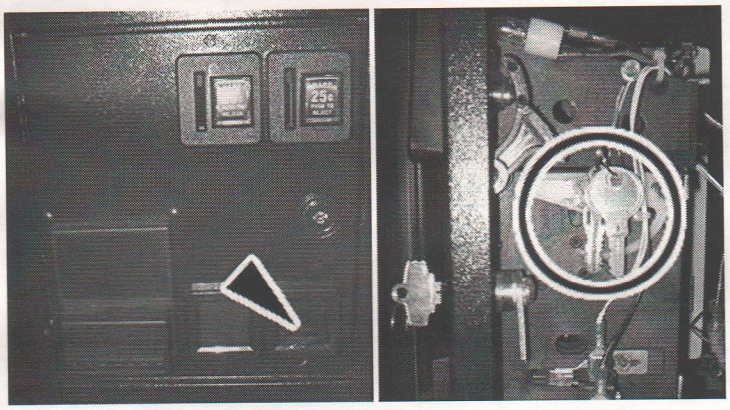
- Consistent earnings from proven game operators for all generations of both men and women
- Tournament Play Upgrade Option. Play against other players across the U.S. Canada and the U.K.
- Three distinct styles of Play – Shootout, Stroke, Skins, and you can upgrade to Tournament Play at any time
- Real Golfing with 7 Shot Types, and Club Selection
- 10 Real Golf Professionals to choose from and play
- 5 Real Golf Courses to play, with 2 Custom Fantasy Courses designed and more courses on the way
- GLOBAL VR's superior reliability

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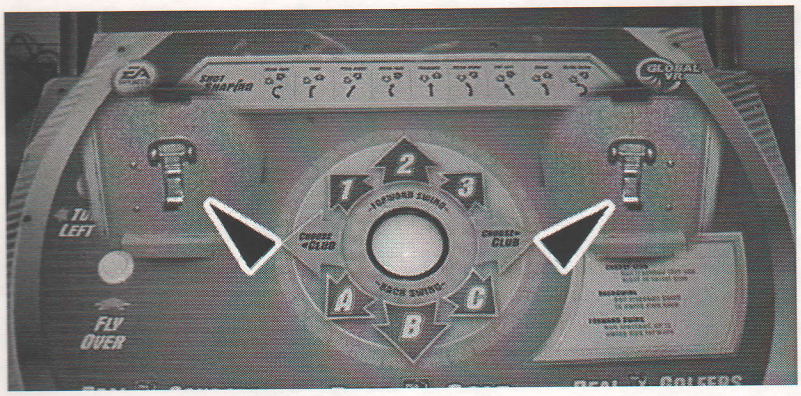
Installation & Inspection

Carefully remove the cabinet from the shipping container. Give yourself plenty of space around the cabinet as you remove it from the shipping container. Inspect the exterior of the cabinet for any damage.

The 1st set of keys will be located in the coin return slot shown by the arrow. The 2nd set will be hanging on the inside of the coin mech door shown by the circle in the picture below.



Open the control panel door of cabinet by reaching in through the coin mech door and releasing the two latches. Inspect the interior for any signs of damage. Verify that all cables and major assemblies are securely mounted.



Remove the back door from the cabinet and inspect the computer system. Verify that all cables and wires are securely connected to the computer.

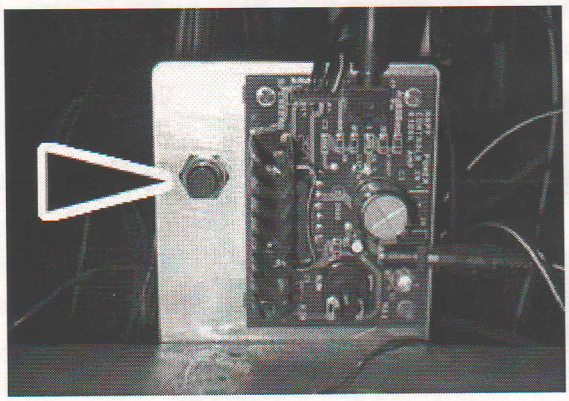
Connect the wall cord to a grounded (3-terminal) AC wall outlet.

Power on the game using the On/Off switch located on the lower rear of the cabinet to verify proper operation.

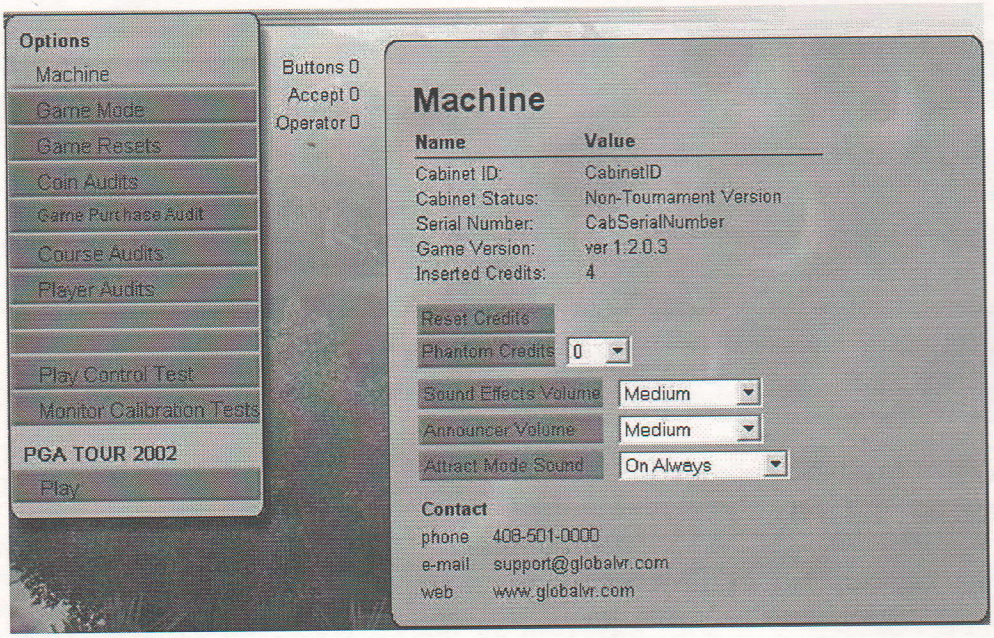
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Game Operators Menu

All of EA SPORTS™ PGA TOUR® GOLF's game audits, game adjustments, and control diagnostics are options of the Game Operator Menu. Press the Operator Button behind the coin mech door in the cabinet to activate the Game Operator Menu shown by the arrow in the picture below:

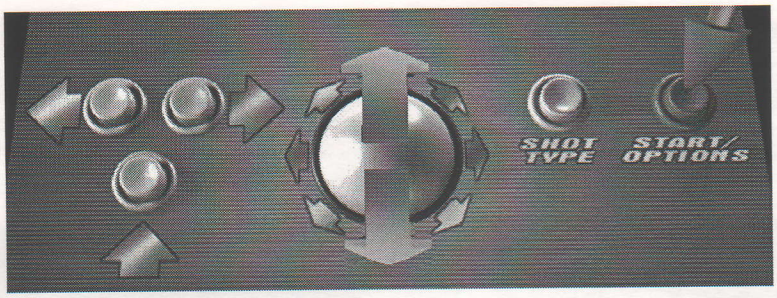


After you press the Operator Button, the following screen shot will appear. The game's options menu is displayed on the left side of the screen and the settings for those options are displayed in the menu on the right. There is no mouse pointer seen when using the trackball to navigate the Game Operators Menu; instead each option or menu button will highlight in yellow when it is ready to be selected.



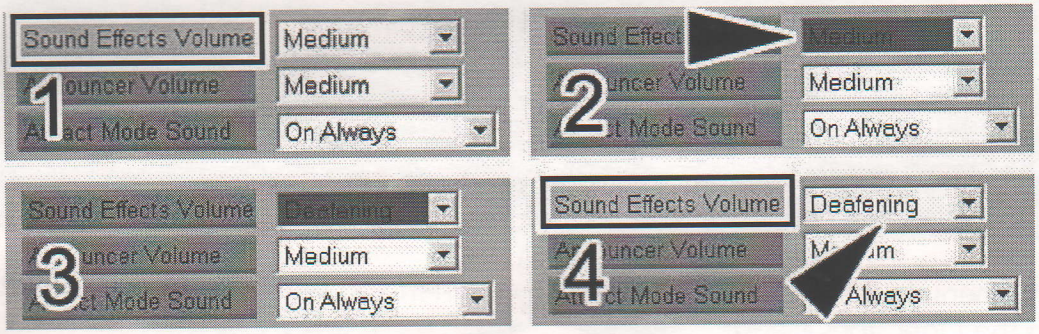
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Setting Game Options and Resets



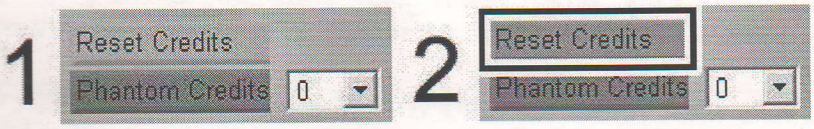
Once in the Operator's Menu you will use the Trackball and Start Button to navigate and set the game software. Most of the game options are set by using the trackball to scroll up and down through the game settings. The Start Button is then used to select and confirm game settings.

Example 1 Setting Game Options



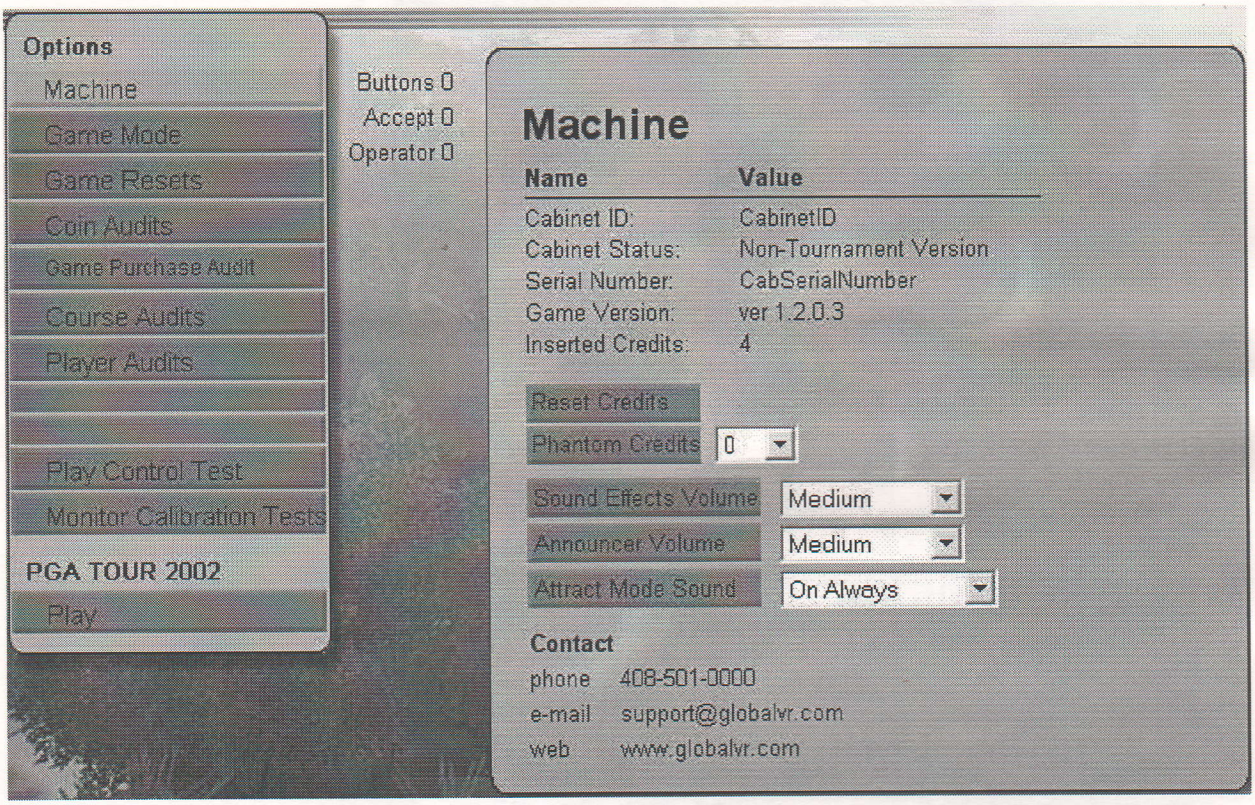
1. Use the trackball to navigate and highlight a game option.
2. Press the Start Button to select the game option. The game option window should now turn to red shown by the arrow in step 2 of the picture above.
3. Use the trackball to scroll up and down through the available game settings
4. When you have the correct game setting highlighted in the game option window press the Start Button again to set the new game option. The game option window will turn back to white shown by the arrow in step 4 of the picture above.

Example 2 Setting Game Resets



1. Use the trackball to navigate and highlight a game reset button.
2. Press the Start Button to activate the reset button. The game reset button should turn green momentarily to let you know the reset was completed.

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The Machine menu is the default screen displayed when you press the Operator Button to enter into the Operators Menu.

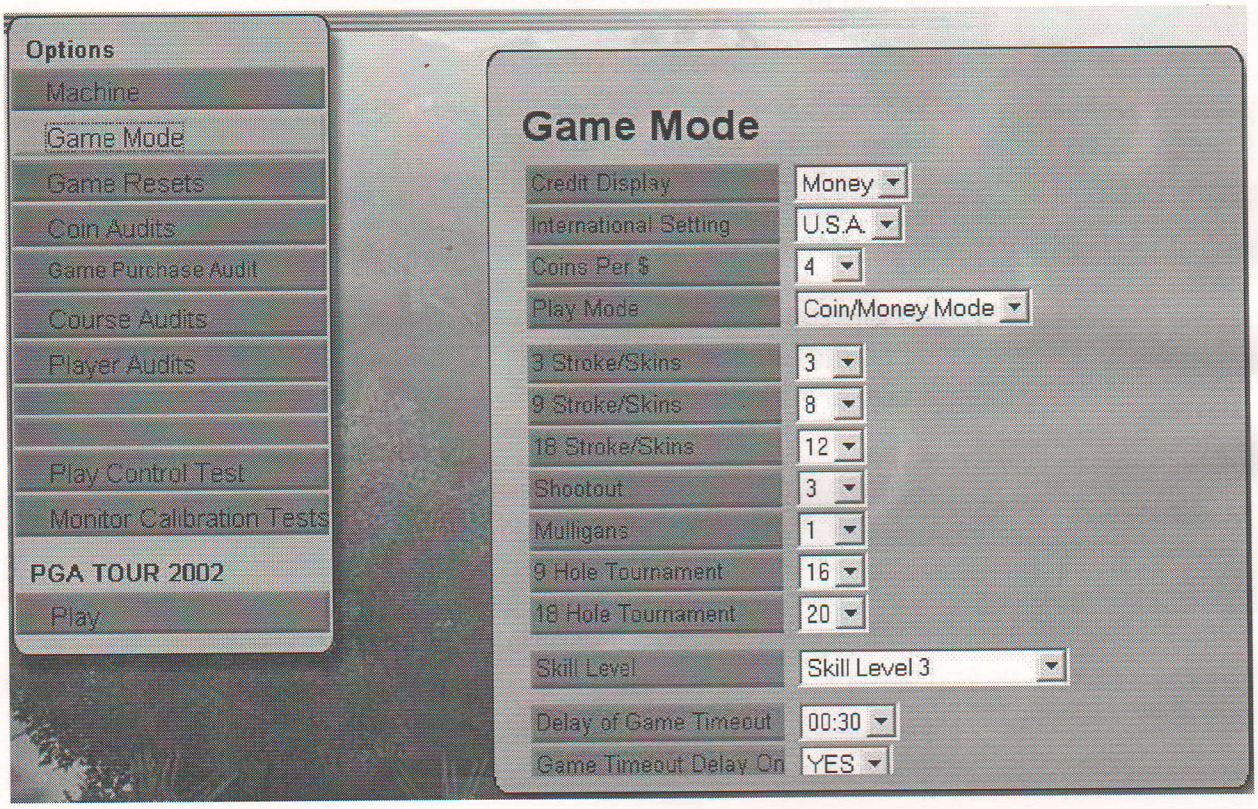
Cabinet ID	This is the software ID number for your cabinet and is only used for Tournament Play. A number will be randomly generated when you register your cabinet for Tournament Play.
Cabinet Status	This tells you whether your cabinet is setup for Tournament Play or Non-Tournament Play. If the Tournament software has been installed this will show the status of the cabinet Registration as Registered or Unregistered.
Serial Number	The serial number is only used when you register your cabinet for Tournament Play. When you register your cabinet for Tournament Play you will be prompted to enter the serial number off the back of your cabinet.
Game Version	This tells what version of the PGA game software you are running. If you have just installed a newer version of the software you must play a game before Game Version is updated on this page.

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Inserted Credits	This tells the number of Phantom Credits and Coins that have been inserted on this cabinet.
Reset Credit Button	This button is used to reset or zero out the Inserted Credits number on this screen.
Phantom Credits	This is the same as a test credit. Use these credits to play and test your PGA cabinet. The Phantom Credits do not affect the coin count on the Coin Audits menu.
Sound Effects Volume	This will adjust the sound effects volume during game play. The options to choose from are: OFF, Low, Medium Low, Medium, Medium High, High, and Deafening.
Announcer Volume	This will adjust the volume for the Announcer's Voice during game play. The options to choose from are: OFF, Low, Medium Low, Medium, Medium High, High, and Deafening.
Attract Mode Sound	This sets up the Attract Mode to be with sound or without. The available options are: OFF, Occasionally ON, and Always ON. Occasionally ON does not turn off the sound during attract mode; it just removes the movie that is played during the normal attract mode.

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Game Mode Menu



The Game Mode menu is used to setup the type of money used at your location, the amount of coins that are needed to start a game, game difficulty, and game timeout delays.

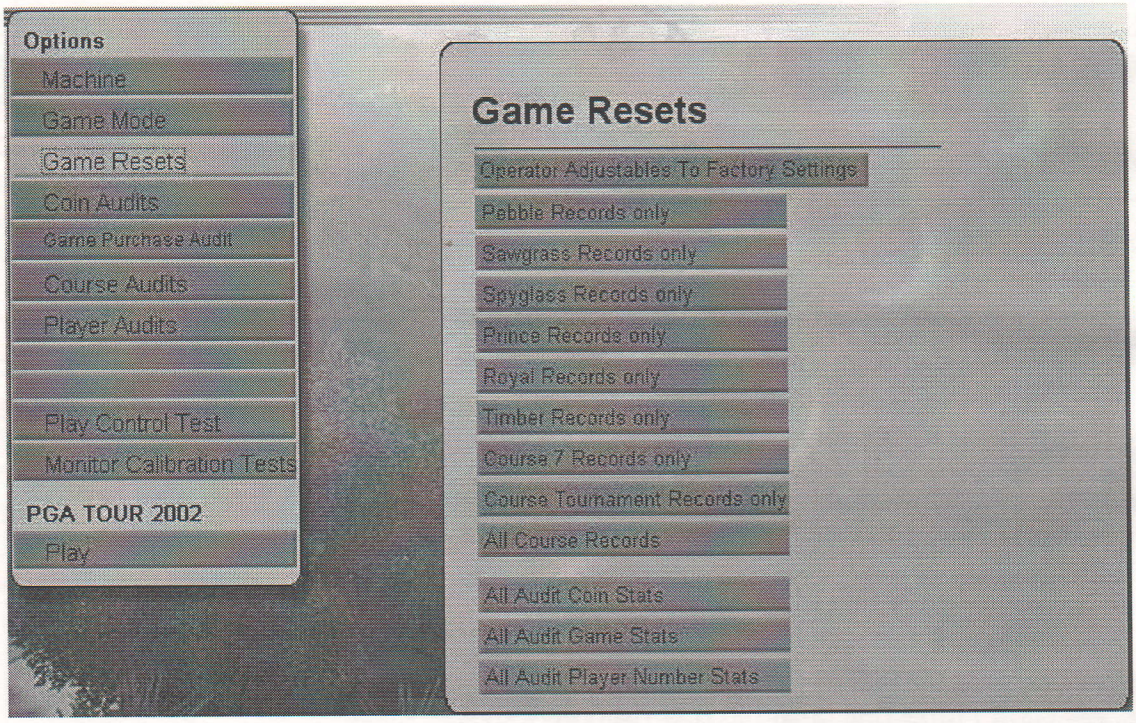
Credit Display	Defines whether Money or Arcade Credits are used to play this cabinet. The options to choose from are: Money, or Credits.
International Settings	Defines what type of money that will be used in this cabinet. The options to choose from are: U.S.A, or U.K.
Coins Per $	This sets how many coin drops it takes to reach a dollar. In the USA you would set this to 4, because 4 quarters equal a dollar. In the UK this would be set to 10, because 10 pence equal a pound. The options to choose from are 1- 20.
Play Mode	This will turn free play ON or OFF. The options to choose from are: Coin/Money Mode, or Free Play.

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3 Stroke Skins	This number defines how many coins or credits it will take to start a 3 Stroke Game.
9 Stroke Skins	This number defines how many coins or credits it will take to start a 9 Stroke Game.
18 Stroke Skins	This number defines how many coins or credits it will take to start a 18 Stroke Game.
Shootout	This number defines how many coins or credits it will take to start a Shootout Game.
Mulligans	This number defines how many coins or credits it will take for a player to take a Mulligan on his last shot played. A Mulligan is when a player decides to replay his last shot.
9 Hole Tournament	This number defines how many coins or credits it will take to start a 9 Hole Tournament Game.
18 Hole Tournament	This number defines how many coins or credits it will take to start a 18 Hole Tournament Game.
Skill Level	The skill level defines how hard it is for a player to sink the ball. Each skill level defines the size of the hole and the magnetic attraction placed on the ball. What is magnetic attraction – when the ball is within a certain distance to the hole the magnetic attraction kicks in and pulls the ball to the hole. Skill Level 1 has a larger hole and the most magnetic attraction placed on the ball. Skill Level 5 has the smallest hole with almost no magnetic attraction. The options to choose from are skill levels 1 – 5.
Delay of Game Timeout	The amount of time a player has before a Delay of Game is called. A Delay of Game is called when a player has not touched the controls or played the game within a set timeout period. To continue playing the game; the player must hit the Start Button within 10 to 15 seconds. If the player does not press the Start Button the game is forfeited and the cabinet returns to attract mode to start a new game. The timeout period options to choose from are 15 seconds to 2 minutes in 5 second intervals.
Game Timeout Delay ON	Turns the Game Timeout Delay ON or OFF. When set to OFF a player's game will have no timeout delay, and a player is given an indefinite amount of time to continue with his shot. The options to choose from are Yes and No.

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Game Resets Menu



Operator Adjustables to Factory Settings	Sets the Game Mode optional settings to the Factory settings listed below

U.S.A. Factory Settings

Credit Display	Money
International Setting	U.S.A.
Coins Per $	4
Play Mode	Coin/Money Mode
3 Stroke/Skins	3
9 Stroke/Skins	8
18 Stroke/Skins	12
Shootout	3
Mulligans	1
9 Hole Tournament	16
18 Hole Tournament	20
Skill Level	3
Delay of Game Timeout	:30
Game Timeout Delay ON	Yes

U.K. Factory Settings

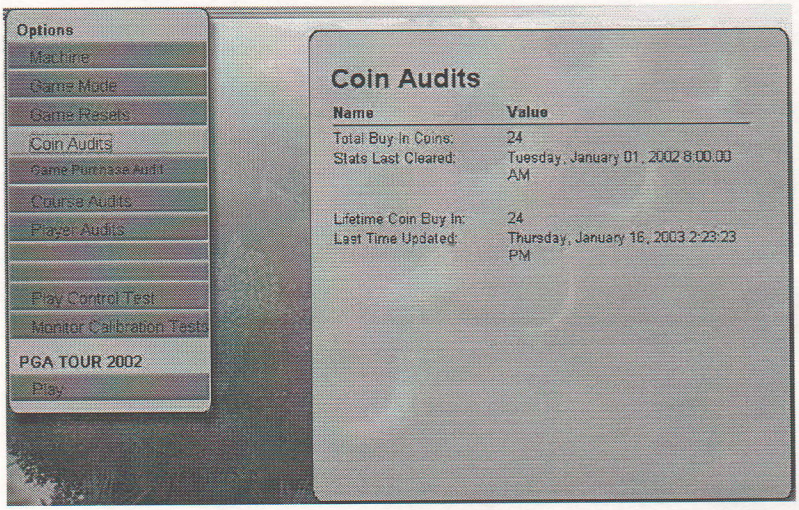
Credit Display	Money
International Setting	U.K.
Coins Per $	10
Play Mode	Coin/Money Mode
3 Stroke/Skins	10
9 Stroke/Skins	20
18 Stroke/Skins	40
Shootout	10
Mulligans	5
9 Hole Tournament	30
18 Hole Tournament	50
Skill Level	4
Delay of Game Timeout	:30
Game Timeout Delay ON	Yes

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Pebble Records Only	Resets the Eagles, Birdies, Longest Drive and Putt, Great Shot Point, and Best Score records for the Pebble Beach Golf Course only. This reset does not affect the Lifetime records held by the game.
Sawgrass Records Only	Resets the Eagles, Birdies, Longest Drive and Putt, Great Shot Point, and Best Score records for the Sawgrass Golf Course only. This reset does not affect the Lifetime records held by the game.
Spyglass Records Only	Resets the Eagles, Birdies, Longest Drive and Putt, Great Shot Point, and Best Score records for the Spyglass Golf Course only. This reset does not affect the Lifetime records held by the game.
Prince Records Only	Resets the Eagles, Birdies, Longest Drive and Putt, Great Shot Point, and Best Score records for the Prince Golf Course only. This reset does not affect the Lifetime records held by the game.
Royal Records Only	Resets the Eagles, Birdies, Longest Drive and Putt, Great Shot Point, and Best Score records for the Royal Golf Course only. This reset does not affect the Lifetime records held by the game.
Timber Records Only	Resets the Eagles, Birdies, Longest Drive and Putt, Great Shot Point, and Best Score records for the Timber Golf Course only. This reset does not affect the Lifetime records held by the game.
Course 7 Records Only	Resets the Eagles, Birdies, Longest Drive and Putt, Great Shot Point, and Best Score records for the Course 7 Golf Course only. This reset does not affect the Lifetime records held by the game.
Course Tournament Records Only	Resets the Eagles, Birdies, Longest Drive and Putt, Great Shot Point, and Best Score records for the Tournament golf records only. This reset does not affect the Lifetime records held by the game.
All Course Records	Resets the Eagles, Birdies, Longest Drive and Putt, Great Shot Point, and Best Score records for all of the golf courses listed above including the Tournament records. This reset does not affect the Lifetime records held by the game.
All Audit Coin Stats	Resets the Coin Audits menu for the cabinet. This reset does not affect the Lifetime records held by the game.
All Audit Game Stats	Resets the Game Purchases Audits menu for the cabinet. This reset does not affect the Lifetime records held by the game.
All Audit Player Number Stats	Resets the Player Audits menu for the cabinet. This reset does not affect the Lifetime records held by the game.

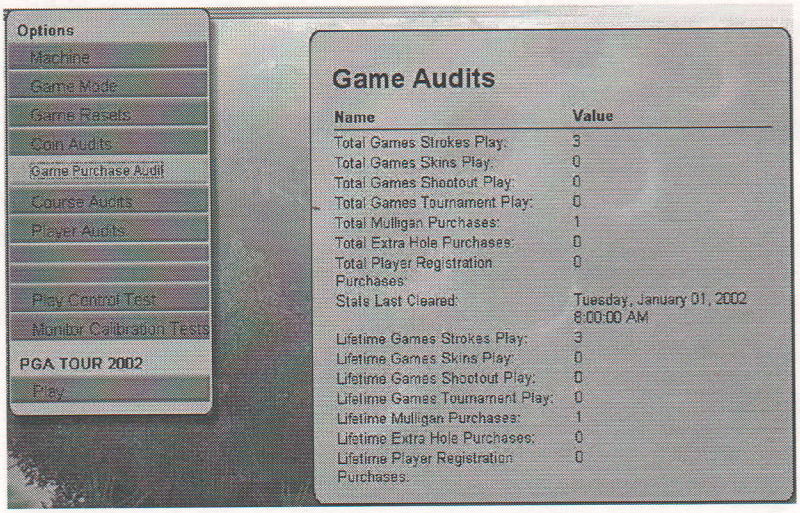
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Coin Audits



The Coin Audit menu shows the total number of coins collected by the cabinet, and the date the last time the stats were cleared. The Lifetime Stats are never reset and show the total number of coins collected by the cabinet.

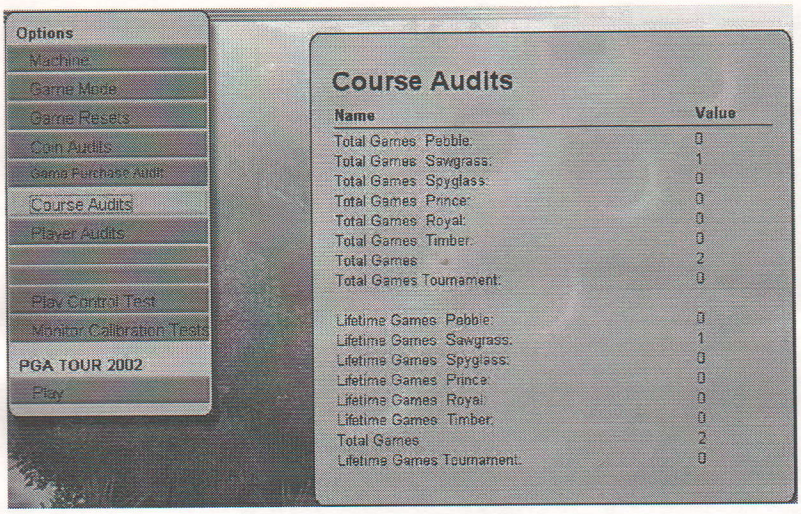
Game Purchase Audit



The Game Purchase Audit menu shows the total number of coins played on Strokes, Skins, Tournament, Mulligans, Extra Hole purchases, and Player Registration by the cabinet, and the date the last time the stats were cleared. The Lifetime Stats are never reset and show the total number of coins collected for each category by the cabinet.

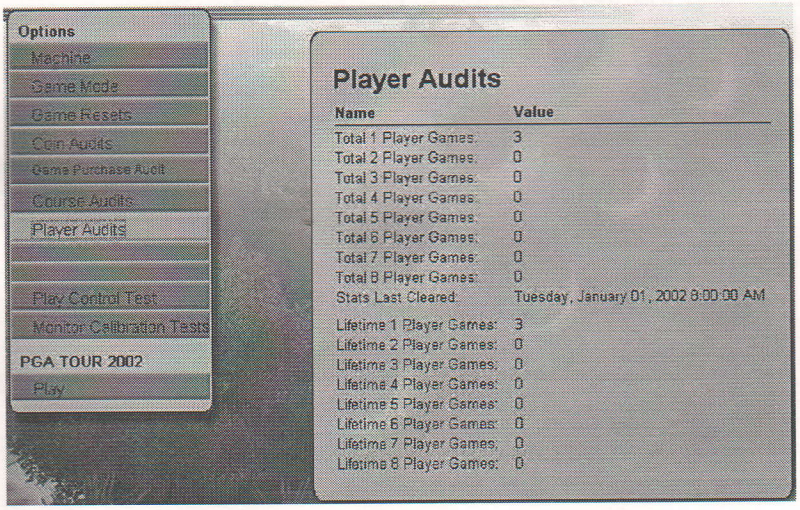
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Course Audits



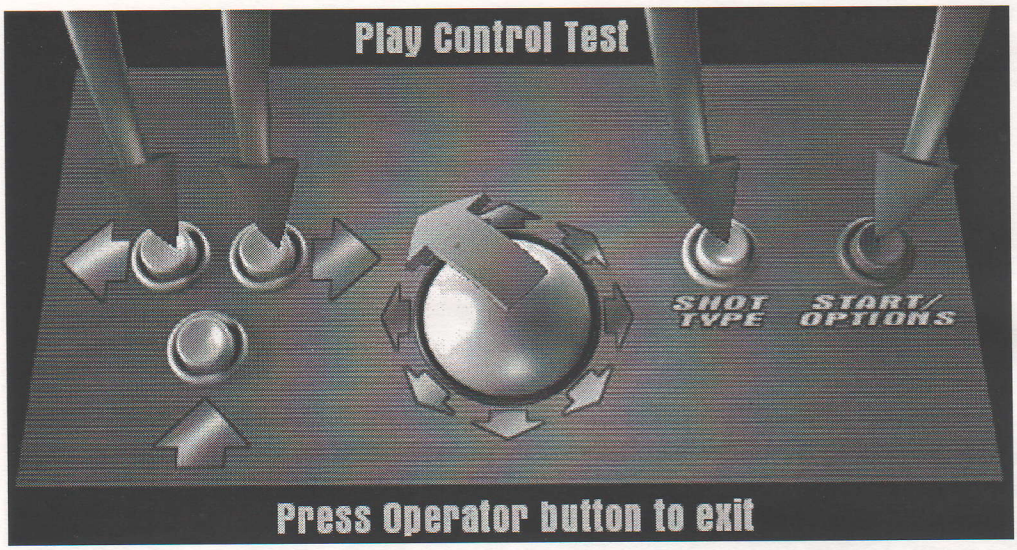
The Course Audits menu shows the total number of plays for each Golf course and Tournament Play. The Lifetime Stats are never reset and show the total number of coins collected for each category by the cabinet.

Player Audits



The Player Audits menu shows how many Player 1 – 8 games have been played, and the date the last time the stats were cleared. The Lifetime Stats are never reset and show the total number of coins collected for each category by the cabinet.

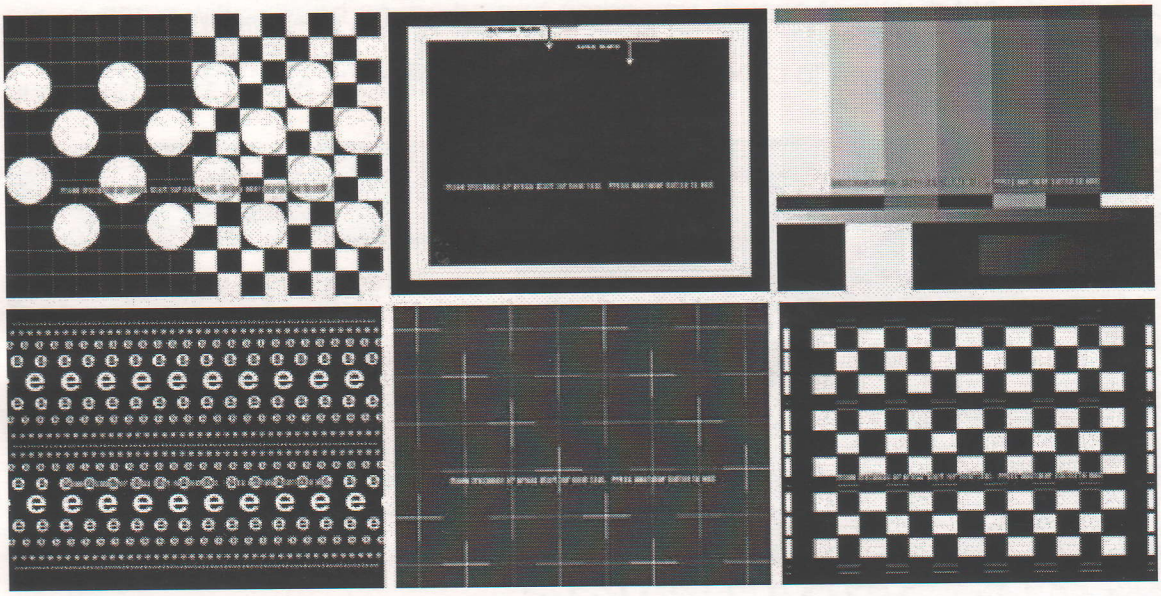
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The Player Control Test will validate that the controls are setup correctly on the cabinet. When you press a button a red arrow will appear on the test screen when it is operating correctly as shown in the picture above. When you spin the trackball in any direction a yellow arrow will appear in the direction that the trackball is spinning when it is operating correctly. When you are finished testing the player controls press the Operator Button to exit back to the main operators menu.

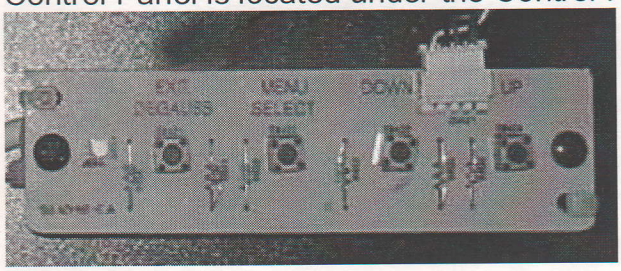
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Monitor Calibration Test



When you begin the Monitor Calibration Test; use the trackball or Start Button to scroll through each monitor screen test. To exit the Monitor Calibration Test, press the operator button behind the coin mech door. Use each monitor calibration screen test separately to adjust and fine tune the picture on your monitor. Each screen is designed to either align the horizontal and vertical sync, or adjust the white balance, and color hues. If you notice a color distortion on the monitor; press the degausser button on the Monitor Control Panel may be necessary to fix the color distortion.

Use the Monitor Control Panel to adjust and fine tune the picture quality on your monitor. The Monitor Adjustment Options display on screen, use the buttons on the Monitor Control Panel to select, adjust, and set the available options. The Monitor Control Panel is located under the Control Panel on the cabinet.



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Starting a Golf Game

With the proper amount of credits inserted press the Start Button to begin. Use the trackball to scroll up and down to choose the type of game you want to play and press the Start Button to confirm.



There are 3 regular styles of play and 2 Tournament challenges to choose from.

Stroke Play- This is a regular game of golf. The game is scored by the total number of strokes a player has for each hole, the player with the fewest strokes at the end of the match wins. The player who scores the lowest on a hole is the first to tee off on the next hole.

Skins Play- Each hole is scored individually. Each hole has a monetary prize that goes to the player with the best score. When players tie score on a hole the skin is carried over to the next hole. If two players tie on the last hole the total amount of the skins is split between the players. At the end of the match the player who won the most skins wins the match.

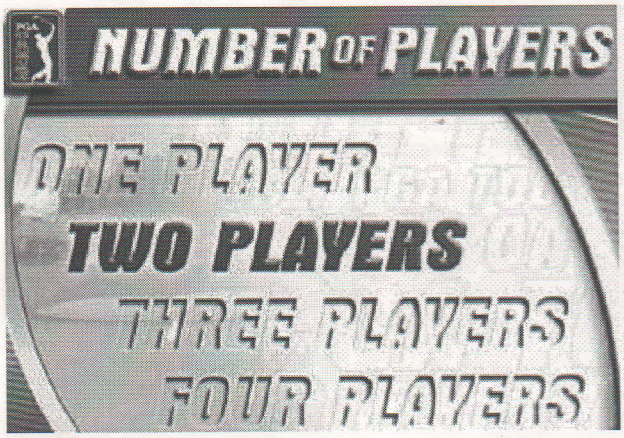
Shootout- Each hole is scored individually. At each hole the player with the most strokes is eliminated while the other players move on to the next hole. The winner of the match is the last player

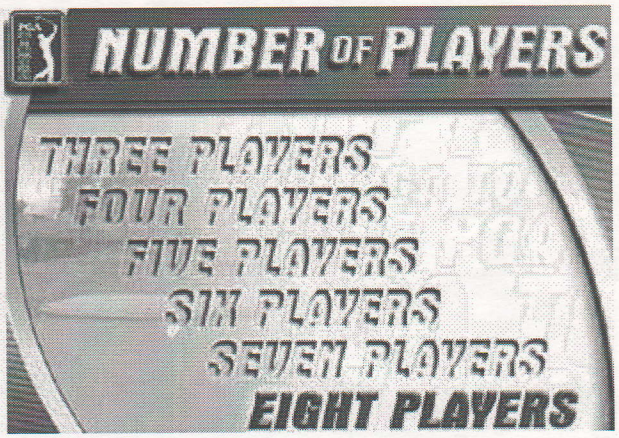
Tour Challenge- Reserved for future use

Tournament- This is a real tournament golf game; where players are competing against other live players across the country for prizes.

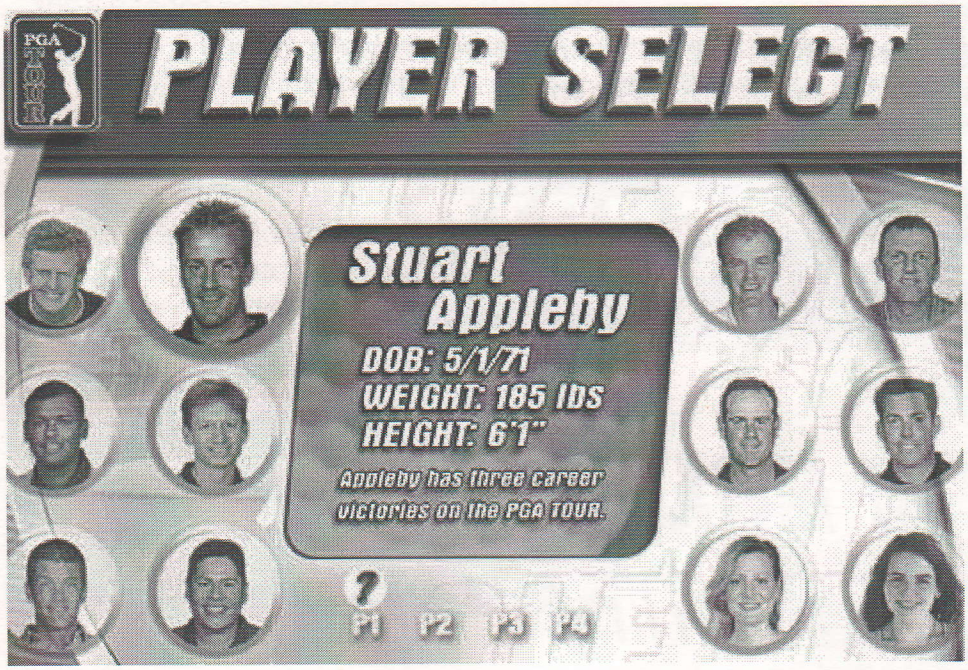
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At the next screen choose the number of players. The amount of players available to play a game will depend on the type of game you choose to play in the previous screen. Use the trackball to scroll up and down through the available number of players and press the Start Button to confirm





At the next screen each player is given a choice of what Professional golf player they would like to play. Use the trackball to scroll through the available players and press the Start Button to confirm



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Select the golf course you want to play at the next screen. Use the trackball to scroll side to side through the available courses and press the Start Button to confirm.

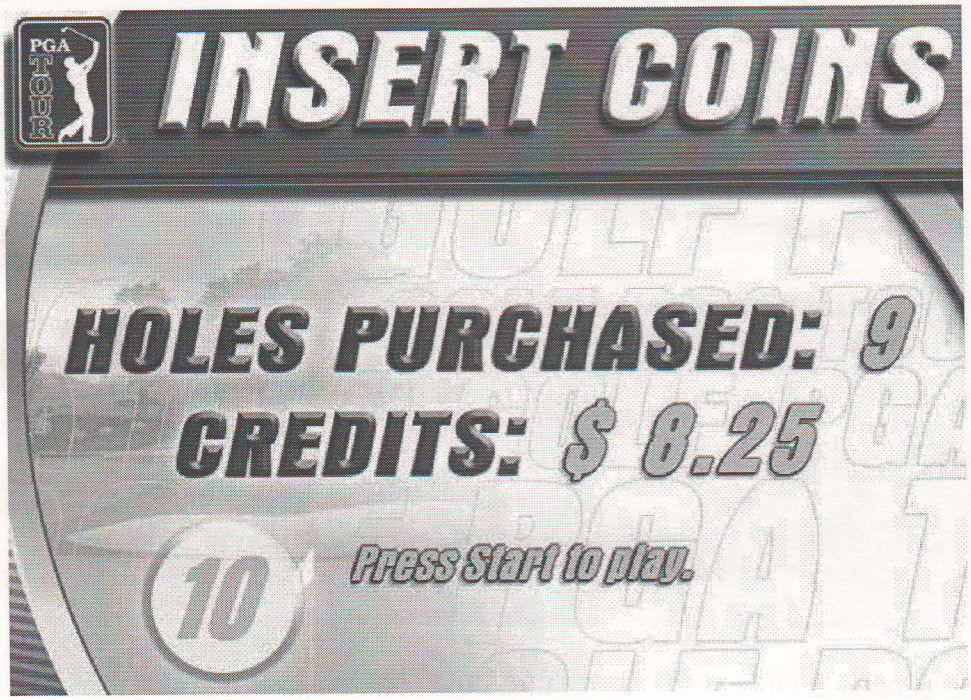


After you select the golf course you want to play on; the next screen will ask what part of the course you would like to play. You are given three main choices to choose from: All 18 Holes, Front 9 Holes, and Back 9 Holes. If you are playing less than 9 holes you will start at the beginning of each section. Use the trackball to scroll up and down through the available options and press the Start Button to confirm.

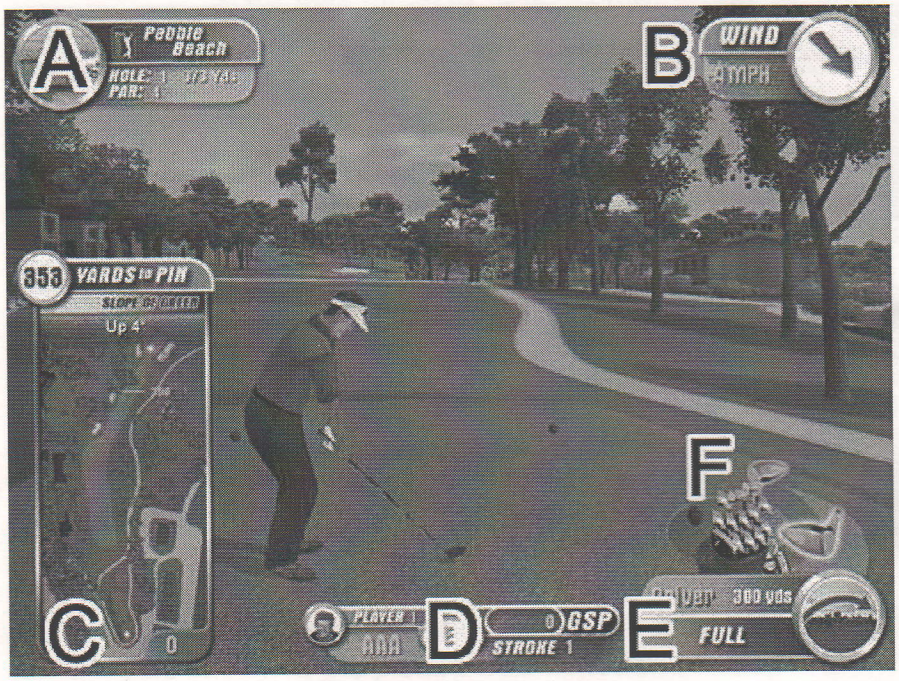


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Depending on the number of credits inserted the next screen allows the player to purchase more holes to play on. Press the Start Button to begin your match.



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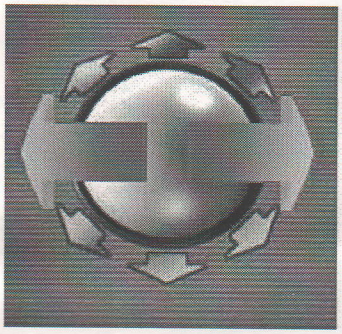


The outer edge of the screen is filled with information bars that help explain the course to you and get a better score on your golf game. Each information bar is described below.

A. The Information bar tells you what course you are playing on, the length of the hole, and how many strokes for Par
B. Wind Direction and Speed
C. Overhead Map shows you the shape and size of the hole, and the average distance for you club.
D. Player Information bar tells you what player is up, what stroke the player is on, and the players total Great Shot Points for the game.
E. The Shot Type bar shows how you are going to hit the ball. Press the Shot Type Button to scroll through the available shot types. The options available to you are:
    a. Full – A normal golf swing is used
    b. Top-spin – A golf swing that adds top-spin to the ball so at the end of the shot the ball will roll forward once it hits the green.
    c. Back-spin – A golf swing that adds back-spin to the ball so at the end of the shot the ball will roll backwards once it hits the green
F. Club Selection shows what type of club you will be using for your current swing. Each club has an average value for the distance a ball can be shot on a single swing. The overhead map uses a small yellow line to show the direction and distance in yards for each club so you have a better understanding of how far the ball could go. Use the trackball to scroll side to side to choose an available club.

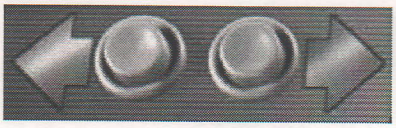
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Now that you are familiar with the information at the edge of the screen you are ready to take your first shot.





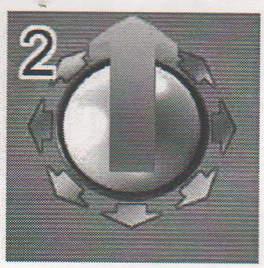
Begin by using the trackball to scroll side to side to choose the correct club. Be sure not to scroll the trackball up and down as this will start the swing on your shot. You can use the Shot Type button to define the type of shot used with your swing.



You can rotate the position of your player with one of the Rotate Left or Right Buttons on the control panel to control the direction of your shot.

If you would like to get an over head shot of the hole; hit the Fly Over Button at any time before you take your swing. The camera will start from your position on the hole and fly over to the green.

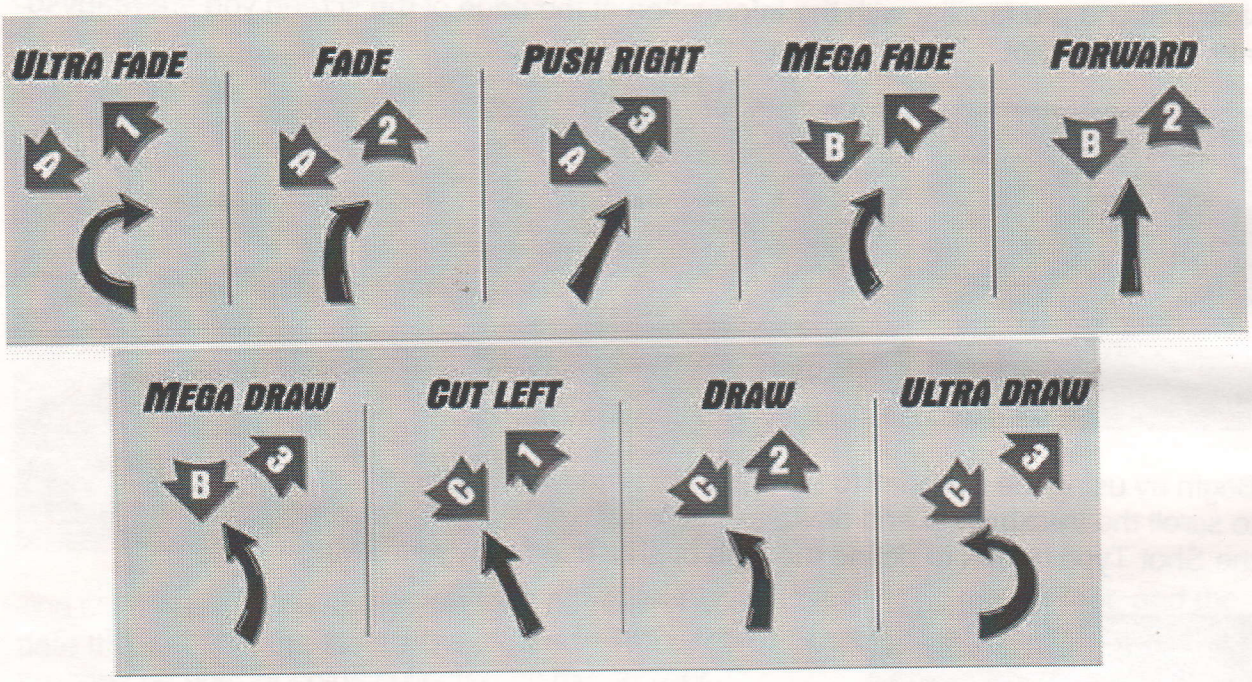




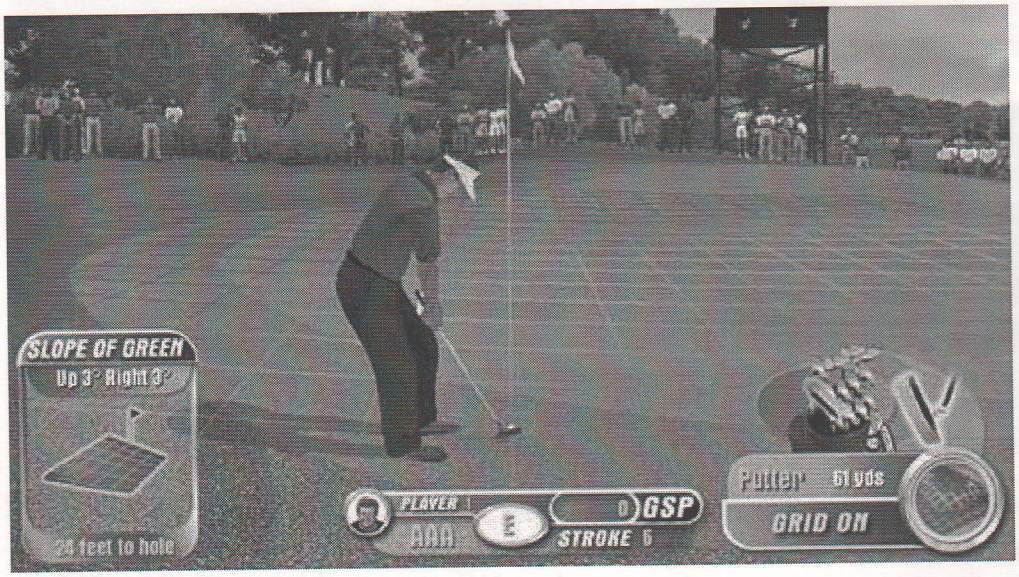
You begin your shot by first scrolling down on the trackball to start the back swing, then using a lot of force scroll the trackball forward to complete the shot.

The distance of your shot depends on how much back swing was given and the amount of force that was used on the forward scroll of the trackball. A little force or a slow forward scroll would lead to a shorter distance shot. Using a lot of force on the forward scroll will increases the distance of your shot.

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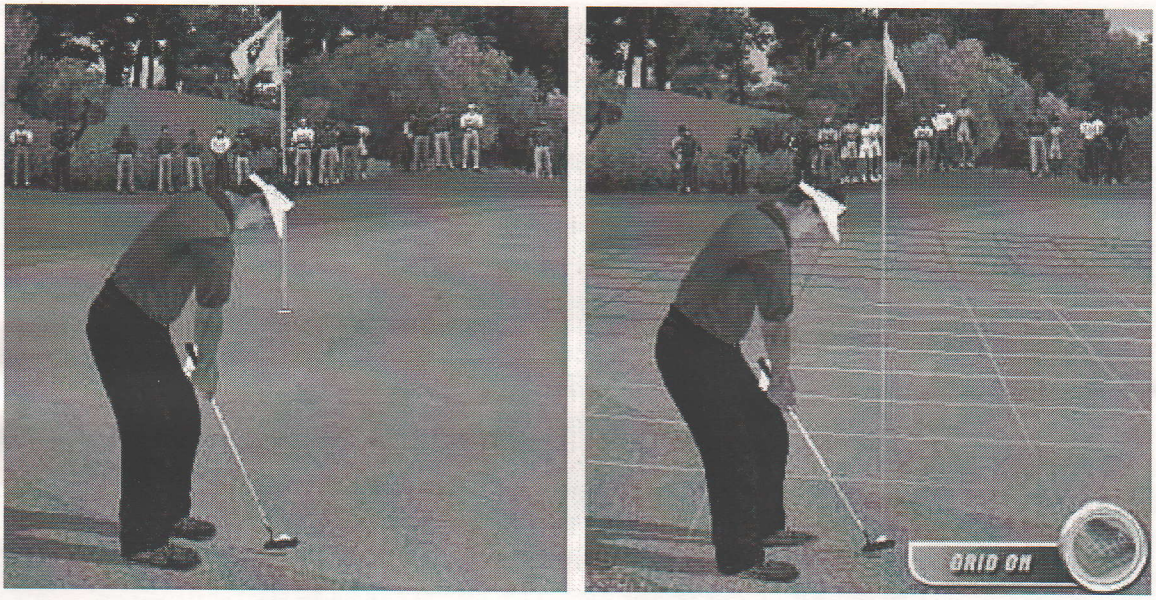


Shot shaping is used to refine your golf shot and is determined by the direction of the up and down scroll used on the trackball. In the picture above are the 9 different types of shot shaping styles available to you. You control the degree of shot shaping by the amount of directional input placed on the trackball. The blue arrow represents the back stroke, and the red arrow represents the forward stroke of your swing.

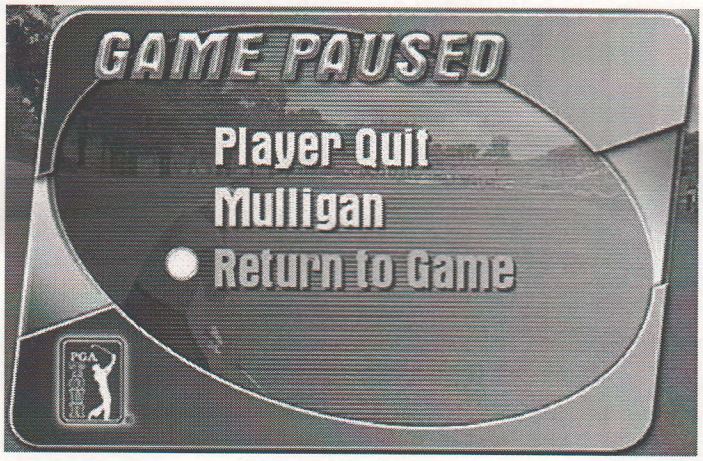


Once you make it on the putting green the overhead map turns into a smaller map showing the directional slope of the putting green and distance to the hole.

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While you are on the putting green you can use the Shot Type Button to turn the putting grid On or Off to help you align your shot. The difference between the putting grid being On or Off is shown in the picture above.



At any time a player can hit the Start Button to pause the game. If no buttons are pressed the paused game screen will only remain for 20 seconds then it will automatically return to the game. When the game is paused you have the options of purchasing a Mulligan shot for your last shot played or you can quit playing the match. Use the trackball to scroll up or down through the options and press the Start Button to confirm.

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Tournament Play

Tournament Play golf games are the best way to help your EA SPORTS™ PGA TOUR® GOLF cabinet increase its revenues. New tournament start at the beginning of each month, and last approximately 21 days. In that time players compete against other live players across the nation for grand prizes of $5,000 and up. Frequent players can sign up for a Player's Card which allows them to receive player points to redeem for real golf merchandise. For more information about Tournament Play please visit our web site at www.globalvr.com/tournaments.

You can upgrade your cabinet to Tournament Play at any time. Version 1.2 of the EA SPORTS™ PGA TOUR® GOLF game software already supports Tournament Play golf games. You will need to fill out the Operator Account Setup from to receive your Operator's Card. If your cabinet is not Tournament Play ready you will need to order the Tournament Play System Hardware, and install it on your cabinet to enable the Tournament Register Options in the game software. Once you have received your Operator's Card you can then register your cabinet for Tournament Play. All of the forms need to setup and join in Tournament Play golf games are available in the back of the manual. Please contact your local distributor to order the Tournament Play System Hardware upgrade kit.

Please be aware that certain states do not allow Coin-Op competition in which prizes or money are awarded to players. These state's include: Arizona, Connecticut, Louisiana, Montana, Nevada, New Jersey, and South Dakota. Global VR accepts no responsibility for cabinets being run illegally, the responsibility is placed on the operator / owner.



How to get your machine online and playing tournaments

1. Fill out an Operator Account Setup Form
2. Prepare your machine for Tournament Play
    a. Install Tournament Play System hardware on your cabinet
    b. Connect your cabinet to a working analog phone line
    c. Once you receive your Operators Card, register your cabinet via Dial-Up connection
3. Collect increased earnings from Tournament Play!

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System Restore CD's



In the event the software running on the computer becomes corrupt, or you run into software problems GLOBAL VR provides a way of restoring the software running on your EA SPORTS™ PGA TOUR® GOLF computer. The System Restore CD's will load the Operating System on 1 CD first; then the game software is on separate CD's that will be installed second. Please be aware when you use the System Restore CD's you will erase all history for the coin and game audits held in the game software.

Operating System Restore CD

1. Power ON the computer and open the CD drive to INSERT the CD labeled Disk 1. The CD should automatically start up (wait about 60 seconds) and on the screen you should see the PQDI Hard-Drive Image process starting.
2. When the Hard-Drive Image process has finished remove the CD and reboot the computer

Version 1.2 Game Software CD's

1. While the cabinet is powered ON and the computer has finished booting up; open the CD drive and INSERT the CD labeled Disk 1 of 2. The CD should automatically start up (wait about 60 seconds) and on the screen the Install shield Wizard windows is displayed. During the installation which will take approximately 10 minutes, you will see several windows pop up copying various components and files to the hard drive.

2. The system will automatically begin copying files from the first CD. When the first CD is complete, the system will automatically eject the CD, and you will be prompted on screen to insert CD Disk 2. Remove CD Disk 1 of 2 and insert CD Disk 2 of 2.

3. The system will automatically start copying the remaining files from Disk 2 for the installation process and will automatically reboot your computer when finished. Once the game has restarted, you may now remove CD Disk 2 of 2. Keep these CD's in a safe place in case they are needed for future use.

4. When the game loads up for the first time, it is important to synchronize the new game software with the cabinet's hardware. This is done by coining up the machine (insert 3 credits), then verify that the three credits are shown (i.e., $0.75) on the monitor. Finally, power the system Off and On to complete the synchronization process.

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Cabinet Specifications

Each of the EA SPORTS™ PGA TOUR® GOLF cabinet has the following hardware installed. If your cabinet is damaged or you need any support please use the part number listed below when you contact GLOBAL VR Tech Support.

Item Description	Qty	Part Number
PGA TOUR GOLF Cabinet	1	TW-8000
27" Monitor 800 x 600 SVGA	1	49-6157-00
DFI P4 Computer	1	DFI-NB32-SL
Nvidia Geforce 4 video card	1	10004847
USB I/O Game Card	1	USBIO
Audio Amplifier	1	40-3000-30
Coin Mech	2	
Bill Validator	1	42-7311-00
GLOBAL VR Game Dongle	1	H4-MEMOHASP

Keys and Manuals

These items are included separately inside the cabinet. Please keep these items in a safe place. The PS/2 keyboard is provided for future game software update, and it does not need to be plugged into the computer during normal game operation.

Item Description	Qty	Part Number
Software CD's		
Game Software CD's	2	CD-PGA-1.2
Operating System Restore CD	1	CD-PGA-System
PS/2 Keyboard	1	PS2-Keyboard
Keys for Cabinet		
Rear Access Door Keys	2	
Coin Mech Keys	2	
Coin Door Keys	2	

Tournament Play Hardware

Extra hardware has already been installed, if you ordered a Tournament Play EA SPORTS™ PGA TOUR® GOLF cabinet. This hardware is only needed for Tournament Play Golf games and can be ordered as an upgrade kit for any existing EA SPORTS™ PGA TOUR® GOLF cabinet.

Item Description	Qty	
USB Card Reader	1	7101-USB
Tournament LED Marquee	1	PGA-6010-01
LED Power Supply	1	4025-1203
LED Serial Cable	1	GLO-D9-R6

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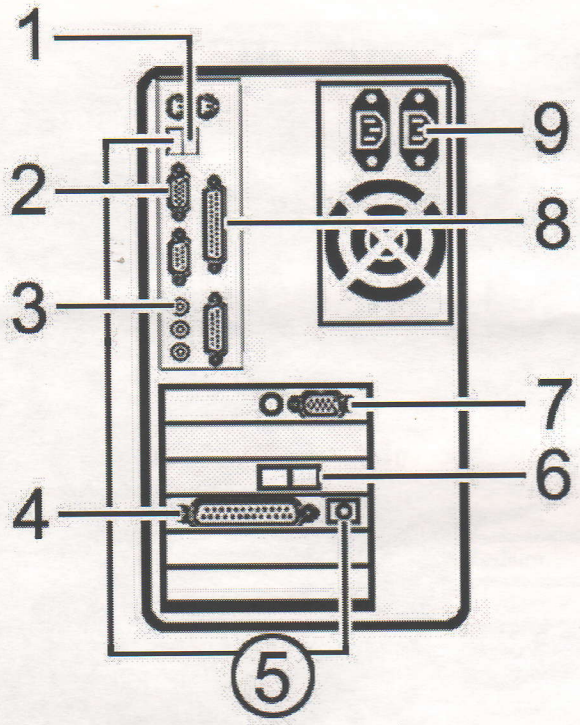


Hardware Features:

- Pentium 4 Computer
- Nvidia GeForce 4 Graphics
- 512 Mega bytes of RAM
- 32 bit Color
- 800 x 600 Super VGA Monitor
- Bill Acceptor

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Computer Rear Panel Diagram



Port	Computer Ports Descritpion or Use
1	USB 1	USB Port 1 on the computer connects to the USB Card Reader used only for Tournament Play
2	COM 1	Serial / COM port 1 on the computer connects to the Tournament LED Marquee used only for Tournament Play
3	Audio Out	The Green Audio Out Port on the computer connect to the speakers
4	DB-37	USB I/O card connect to the Trackball, Buttons, and Coin Door Mechs throgh the USB I/O wiring harness
5	USB 0 to USB I/O card	The USB Port on the USB I/O card connects to USB Port 0 on the computer
6	Modem Line Out	The Line port on the Modem connects to a analog phone line used only for Tournament Play
7	Video Out	The 15-pin video port connects to the Super VGA Monitor cable inside the cabinet
8	Printer Port	The GLOBAL VR Game Dongle is plugged into the printer port on the computer. The game software will not run if the dongle is not plugged in
9	AC Power	AC Power input must use a IEC 14 connector

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Trouble Shooting

Problem	Possible Solution
No Picture or Distorted Picture.	Check for bad video cable or faulty video board or monitor. Check for loose or disconnected video signal cable. Make the monitor has power.
Turn Game On and Nothing Happens.	Check that the power cord is plugged into the computer. Make sure the cabinet On/Off switch is on. Confirm the power cord is plugged into a wall outlet.
No Sound.	Check that the audio cable is connected to the green audio port on the computer.
No Response from Trackball or Buttons.	Check that the signal and ground wires are connected to the trackball and buttons. Confirm the USB I/O card is plugged into the USB port on the computer. Confirm the USB I/O card has power.
No Credit given when Coins are Inserted	Check coins per play setting. Check the signal wires to the coin mech.
To many Credits for Number of Coins Inserted	Check coin per play setting in the game software.
Game Freezes up.	Restart EA SPORTS™ PGA TOUR® GOLF system. Confirm that the trackball and buttons are firmly connected.
Not all Control Panel functions are working properly	Check all cable connections on the computer and make sure they are firmly connected.
Game Dongle not found	Check to make sure the GLOBAL VR game dongle is connected to the printer port on the back of the computer.

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LIMITED WARRANTY

GLOBAL VR warrants that its computer circuit boards, hard drives, power supplies, monitors, displays, controls, sensors, and mechanical structures are free from defects in materials and workmanship under normal use and service for a period of ninety (90) days from the date of shipment.

All software and accompanying documentation furnished with, or as part of the Product, is supplied "AS IS" with no warranty of any kind except where expressly provided otherwise in any documentation or license agreement furnished with the Product.

During the warranty period, GLOBAL VR will, at no charge, repair the Product, provided:

1) Purchaser believes that the Product is defective in material or workmanship and promptly notifies GLOBAL VR in writing with an explanation of the claim;
2) All claims for warranty service are made within the warranty period;
3) Products are returned adequately packed and freight prepaid to GLOBAL VR's designated service center;
4) GLOBAL VR's inspection or test of the Product verifies to GLOBAL VR's satisfaction that the alleged defect(s) existed and were not caused by accident, misuse, neglect, unauthorized or attempted repair or testing, unauthorized modification, incorrect installation, vandalism, failure to follow the maintenance schedule or procedures; or operation in out-of-specification environmental conditions.

GLOBAL VR will return the repaired Product freight prepaid to the Purchaser. All freight costs associated with replacement of warranty parts after expiration of the original warranty period are the responsibility of the Purchaser. GLOBAL VR is not obligated to provide the Purchaser with a substitute unit or on-site service during the warranty period or at any time. If after investigation GLOBAL VR determines that the reported problem was not covered by the warranty, Purchaser shall pay GLOBAL VR for the cost of investigating the problem at its then prevailing per incident billing rate. No repair or replacement of any Product or part therein shall extend the warranty period as to the entire Product. The warranty on the repaired part only shall be in effect for a period of ninety (90) days following the repair or replacement of that part or the remaining period of the Product parts warranty, whichever is greater.

Purchaser's exclusive remedy and GLOBAL VR's sole obligation is to supply or pay for all labor necessary to repair any Product found to be defective within the warranty period and to supply, at no extra charge, new or rebuilt replacements for defective parts. If repair or replacement fails to remedy the defect, then, and only in such event, shall GLOBAL VR refund to Purchaser the purchase price for said Product. Purchaser's failure to make a claim as provided above or continued use of the Product shall constitute an unqualified acceptance of said Product and a waiver by Purchaser of all claims thereto.

IN NO EVENT SHALL GLOBAL VR BE LIABLE FOR LOSS OF PROFITS, LOSS OF USE, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM OPERATION OF THE GAME IN ANY CONDITION. GLOBAL VR SHALL NOT BE RESPONSIBLE FOR THE SUITABILITY, PERFORMANCE, OR SAFETY OF ANY NON-GLOBAL VR PART OR ANY MODIFICATION PERFORMED BY ANY PRODUCT DISTRIBUTOR UNLESS SUCH WORK IS EXPRESSLY AUTHORIZED IN ADVANCE BY GLOBAL VR.

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Technical Support

Free telephone, email and online support are provided for EA SPORTS™ PGA TOUR® GOLF systems during the warranty period. In addition to helping with trouble shooting and diagnosing defective parts technical support is prepared to help you with questions about the operation of your EA SPORTS™ PGA TOUR® GOLF game.

When you contact technical support at GLOBAL VR, please provide the following background information to aid our technical support process:

Your mailing address and telephone number

A summary of the question or a detailed description of the problem with your EA SPORTS™ PGA TOUR® GOLF cabinet

Technical Support is available from 9:00-5:00PST, Monday through Friday.

Call +1-408-501-0000 to reach a technical support staff member.

Email support is available if you email support@globalvr.com

Warranty Service

If at some point you require warranty service, contact your distributor. If technical support staff determines that your EA SPORTS™ PGA TOUR® GOLF is defective, a Return Merchandize Authorization (RMA) number will be issued.

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