

GSA Golf

Quick Installation and Operating guide



Please note that these instructions are only intended to be a quick guide.
Detailed instructions are available on our website www.golf-simulators.com



Data captured
Club face, speed and path
Ball Spin, Speed, Path and Vertical launch angle



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Installation

GSA Golf system minimum PC requirements

Intel i5 or above Processor with a desktop gaming PC

Warning! Do not use PC's with AMD processors or low cost Laptops!

8GB RAM Nvidia 1070 Graphics Card or equivalent

25GB of Hard Drive Space

Windows 10 or 11 (Required) plus Internet Connection

(Required if using 3rd party game software such as E6, TGC or GSPro)

USB3.1 or above port (Required)

Note: The cameras are USB3 cameras

and will only run at the correct speed when connected via USB3 cables directly to separate USB3 ports on the PC

Warning! If using 2 cameras, do not connect the cameras together with a Hub !

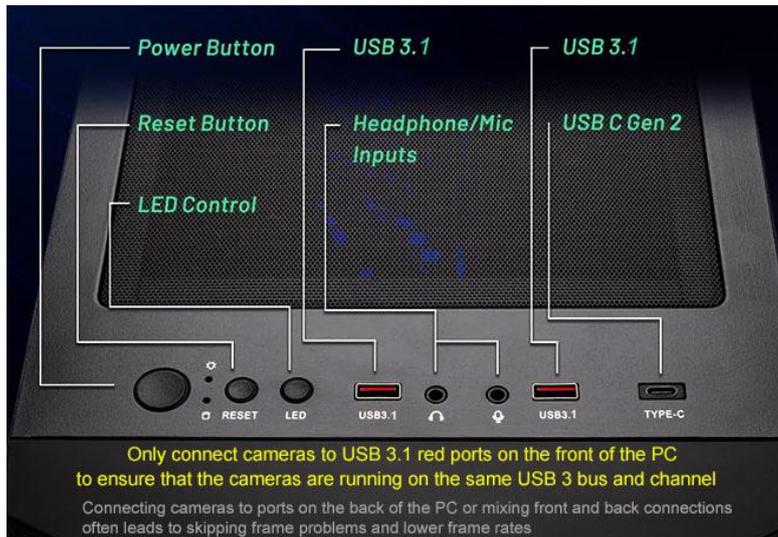
All cameras must be directly connected to separate USB3 ports on the PC

Use only the supplied powered USB3 extension cables

Warning! Do not use older PC's that have been modified in anyway

(i.e. new mother board, additional USB3 cards etc)

Experience has shown that the high-speed cameras do not function with such older or modified PCs



Step 2

Install the Control Panel (CP) software

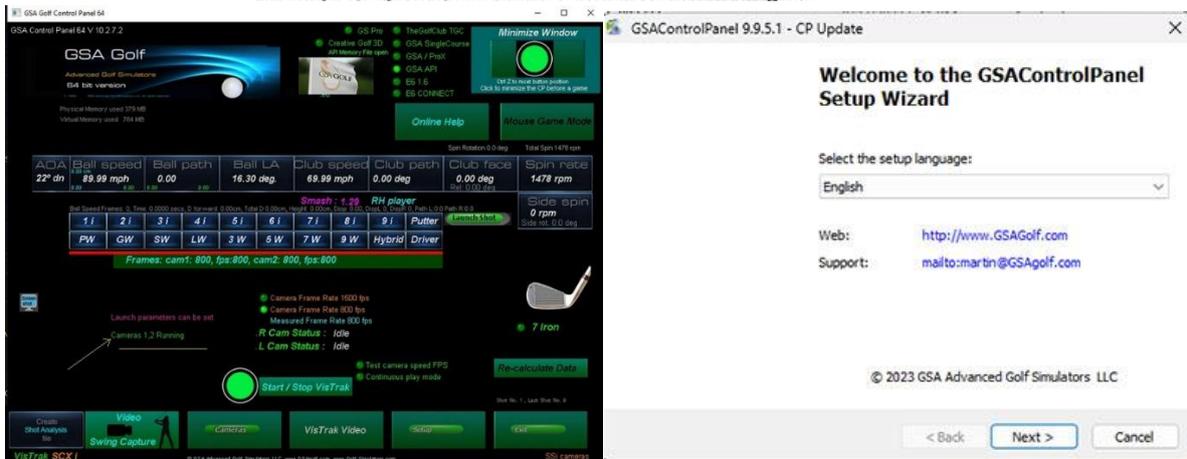
Go to this page to find the CP software download link

<https://www.golf-simulators.com/HowToInstallUpdates.html>

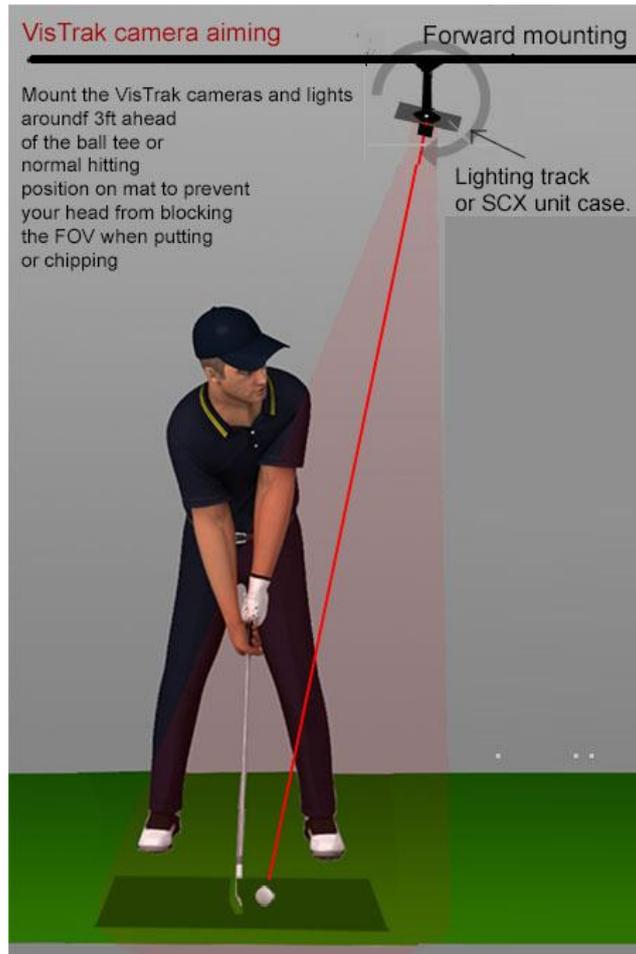
\$299



Data captured:
Club face, speed and path
Ball Spin, Speed, Path and Vertical launch angle



Step 3 Mounting Instructions



Mount the angled brackets on the ceiling first without the unit
Once brackets are mounted, mount the unit to the brackets using the 2 bolts and nuts.

Mounting Spacer Template

Bracket

The mounting spacer template has 2 pilot holes at either end that line up with the 3rd hole in the bracket. Use this to initially mount the bracket and then secure the bracket through the other holes

SCX / Eagle

Use supplied spacer to position the mounting brackets around 3.5 ft ahead of playing position - max ceiling height is 9ft. Use extensions if ceiling height is higher
Screw brackets to ceiling and bolt unit to brackets using the supplied bolts.
Unit can be swiveled back and forth to aim at hitting surface



Step 4

Camera wiring

Connect cameras to USB3 ports on your PC using the 32 ft powered USB3 cable extensions.

Unitek 32 Feet Extender Cord



with 5V2A Power Adapter



Step 5.

Start the Control Panel and ensure that both cameras are running

(i.e. there are no error messages, and you see the message that 2 cameras are running)

The screenshot shows the GSA Golf Control Panel 64 software interface. At the top, it displays "GSA Golf" and "Advanced Golf Simulators 64 bit version". Below this, there are various status indicators and a table of golfing metrics. A red arrow points to the text "Cameras 1,2 Running" in the lower-left area of the interface. The interface also includes a "Start / Stop VisTrak" button and a "Launch Shot" button. The bottom of the screen shows a navigation bar with buttons for "Video", "Cameras", "VisTrak Video", "Setup", and "Exit".

AOA	Ball speed	Ball path	Ball LA	Club speed	Club path	Club face	Spin rate
22° dn	89.99 mph	0.00	16.30 deg.	69.99 mph	0.00 deg	0.00 deg	1478 rpm

Frames: cam1: 800, fps:800, cam2: 800, fps:800

Camera Frame Rate 1500 fps
Camera Frame Rate 800 fps
Measured Frame Rate 800 fps
R Cam Status : Idle
L Cam Status : Idle

Step 6.



Go to the Setup panel and select Vistrak EVi / SCX / LX2 or Eagle (depending on what system you have) from the list of systems on the right hand side of the screen

Basic Operation

Place a ball on the mat and

Click on the Start Cameras button in the Control Panel's main window



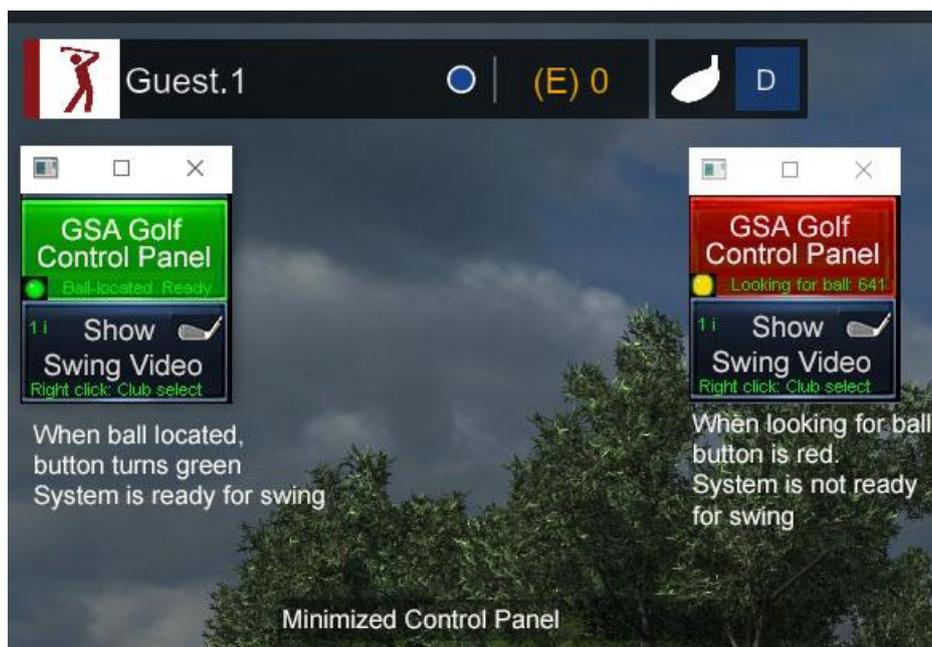
or click the large Minimize button at the top right side of the panel



and wait a second or two until you see the message " ball located, waiting for swing"

Note: Ensure to select the game software you will be using with the system from the CP's main panel.

i.e. GSA, GS Pro, The golf Club, E6 etc



You are now ready to play the ball

Note: if you don't see the Minimized CP after clicking on the Minimize Window button, press the ctrl / Z to restore its position to the top left-hand corner of the monitor screen

Issues and fault finding

1. The Control Panel (CP) states "no cameras detected"

Possible cause 1.

You didn't install the driver software as described above.

Possible cause 2.

You are not using the USB3 cables that are supplied with the system and/or the cable power adapter is not plugged into the extension cables.

Possible cause 3.

You are not connecting the cameras to USB3 ports on the PC

2. The CP states that the cameras are not registered

Cause

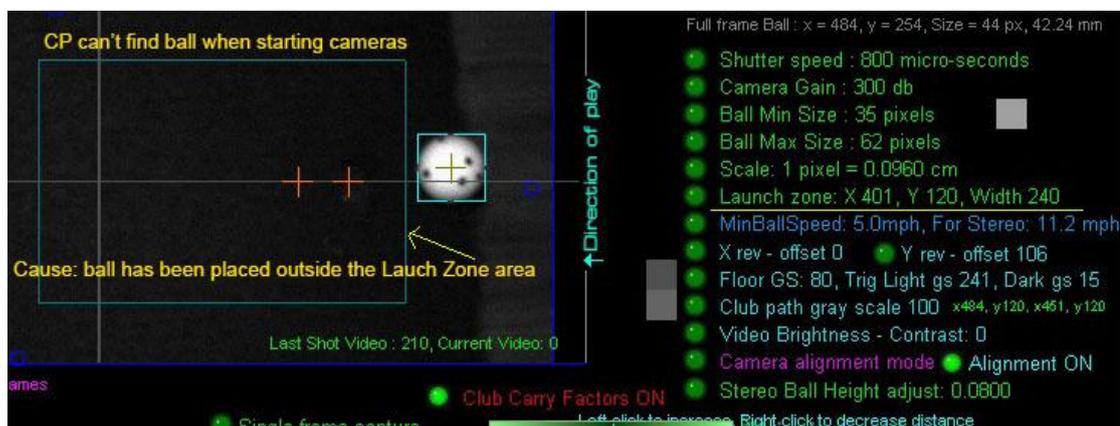
You are using an older version of the CP. Cameras are registered in the CP software.

To fix: Install the latest version of the CP from the Tech News page on the golf-simulators.com website.

3. The CP stays in "Looking for ball in the Launch Zone" mode

Probable cause 1

The ball is not in the Launch Zone



Probable cause 2

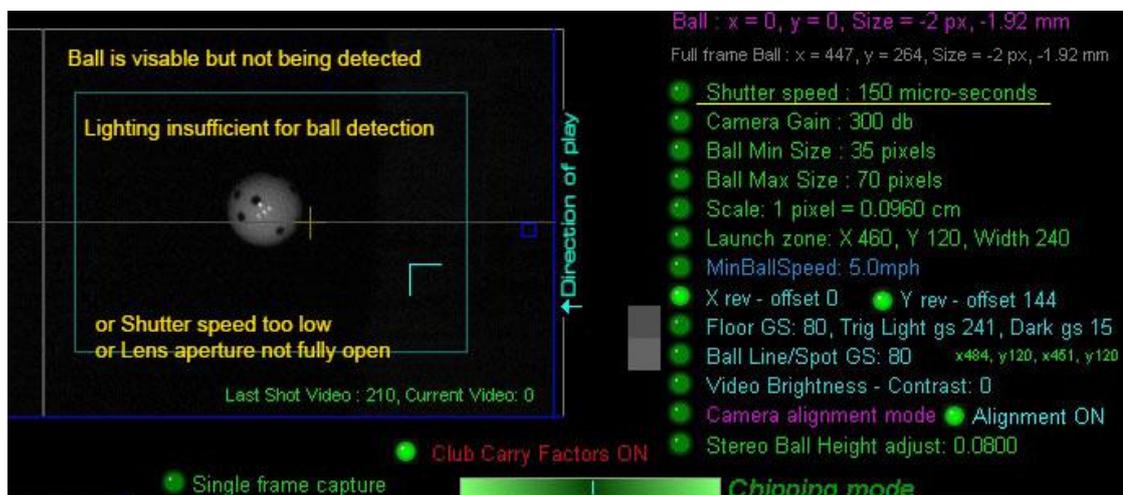
The cameras are not aimed at the ball when in Full Ball Frame mode

Probable cause 3

The ball is in the Launch zone, but the ball itself is not being detected

Probable cause 4

Insufficient lighting and/or Video Brightness -Contrast not set high enough



Issues and fault finding 2

4. The Control Panel detects the ball on the mat but there's no launch in the golf game software



Probable cause: The unit is not aimed at the ball on the mat so that IR light spread is not equal.

5. The Control Panel detects the shot but there's no launch in the golf game software

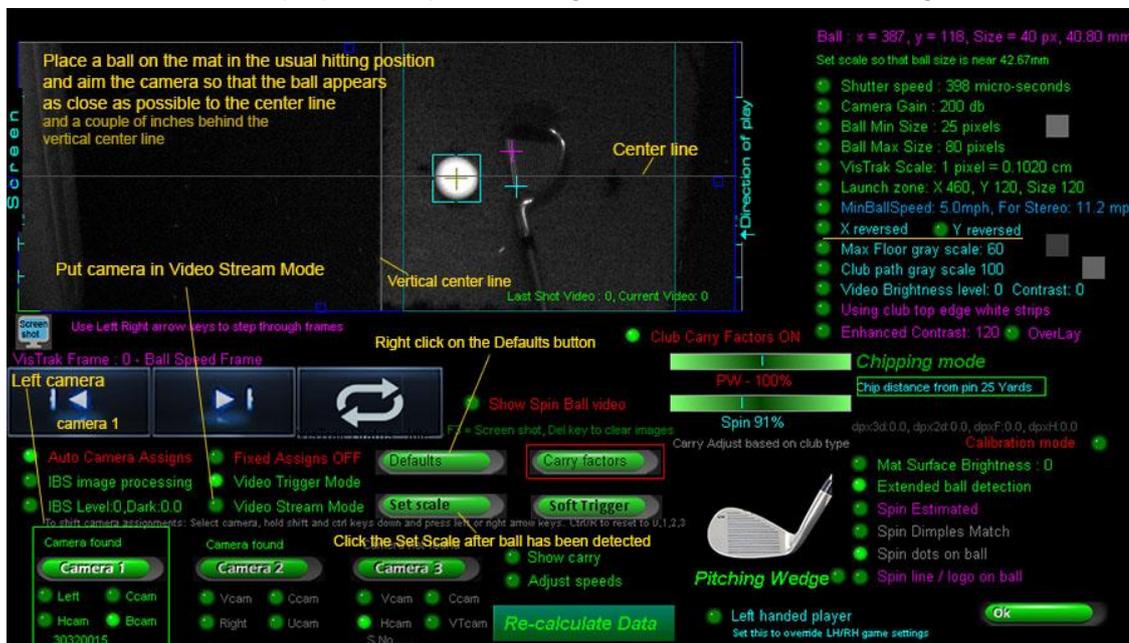


After a ball valid strike, the CP will show the Launch sent message

Possible cause: Camera orientation is incorrect.

Ensure that when a club is placed behind the ball, the club is indeed shown behind the ball in the camera panel. Use the X rev and Y rev options to flip the image

Note that direction of play is always shown right to left in the camera images.





The CP is not connected to the golf game software you are using. When using GSPRO, E6 Connect, TGC or Creative Golf game software, an Internet connection has to be established. You should therefore see the "Connected" message as shown above.

6. The Control Panel states the camera frame rates are below normal



Probable cause 1: Unstable or waggly USB cable connections to either the camera or the PC.

Fix: Close out Control Panel and unplug both cameras from PC to initiate a hardware reset.

Connect both cameras back into PC and restart the Control Panel

Probable cause 2: Camera Shutter speed setting set too high (i.e. over 700 fps) for one or more cameras in the camera panel. Fix: Reduce to the default 300 fps or lower.

Probable cause 3: Cameras are not connected to USB3.1 or higher ports on the PC. See minimum PC specs

Probable cause 4

Cameras have been connected to the PC with non USB3 cables or an additional USB extension cable has attached to the camera. Use only the supplied USB3 cables and 30ft powered extension cable.

7. Cameras stop working or message “Fatal error! Camera is no longer online” is shown

Probable cause 1

Unstable or waggly USB cable connections to either the camera or the PC

Fix: Close out Control Panel and unplug both cameras from PC to initiate a hardware reset.

Connect both cameras back into PC and restart the Control Panel

Please refer to the “Issues and Fault finding” page on www.golf-simulators.com

for more detailed and in-depth information.