## USER MANUAL

## Creative Golf ${ }^{\circledR}$ and Golfisimo

ver. 2.11.

for

## SWEETSPOT <br> G O L F

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## Introduction

Creative Golf ${ }^{\oplus}$ software is a golf game developed by the Datacrea company for very realistic golf game simulation. . User experience is enhanced by integration of golf simulators created by Sweetspot.. The game provides real-to-life playing experience on golf courses and various training facilities, including driving ranges, as well as light-hearted games such as target golf or demolition golf, designed for the whole family.

A separate section is Golfisimo, which consists of several fun games to improve your golf skills. Golfisimo can be buy and used independently but can be integrated into the program Creative Golf.

## Main Menu

The Creative Golf® ${ }^{\oplus}$ software provides following main features:


## Icons below Main Menu:



## ABOUT

Read information about the software developer and 3rd parties used for its development


## RESUME GAME

Continue playing the saved game


## SETTINGS

Default settings of games, for more details see Chapter Settings, page 76.


## EXIT

Exit Creative Golf software

## Select Active Players

Before playing golf or fun games, it is advisable to create a list of potential players.


Click the icon in the bottom right corner to select players for the List of Active players. From this list, you can choose players for your current game.


These Players can play as "Guests", or "CG3D Members" with personal Accounts.
Guests can play only on a local computer, they can't store their data on the cloud, only on the computer. When playing an Online Tournament (together with a member), their results will not be recorded on the Leaderboard on the cloud tournament server.

CG3D Members have an account on Creative Golf Server and can login by their nickname and password on any computer with Creative Golf ${ }^{\oplus}$. They can play Online Tournaments, save open unfinished tournaments and games on cloud server, and continue playing anywhere.

## Add Guest to Active Players list



In case you want to play only on a local computer, and you do not wish to use cloud services (storing games, online tournaments), it is good to login as a Guest. It is necessary to enter the Name, Dexterity, Preferred Tee, or handicap.


NAME
Type name of player for all following game DEXTERITY

Choose if player is left-handed or right-handed.
TEE
Choose a Tee to play from
HCP
Type player's precise handicap in case you want to play the Nett game, where handicaps are considered
SEX
Female/Male.
If this field is not filled, Playing HCP (for nett games - with HCP) for a "Ladies" tee will be calculated as for a lady and on the other tees as for a man.

If "Remember Players" option (Default setting / Game Option 2) is set to Enabled, you can check the "REMEMBER ME" option, and the player will log in automatically after the restart of Creative Golf ${ }^{\oplus}$.
For private use of Creative Golf ${ }^{@}$, it is advisable to allow the program to remember players' names, but for public use (indoor center), this setting is not recommended.

## Login Player with Account

To login with a personal account, you need to enter your name and password. Further details are added automatically from the player's account.


Internet access is required. Otherwise, you can play only local games, similarly to a 'Guest' login. In this case, it is also not possible to play on-line tournaments and save open games on the cloud server.

If the 'Remember Players' option (Default setting / Game Option 2) is set to Enabled, you can check the 'STAY LOGGED IN' option and the player will log in automatically after the restart of Creative Golf ${ }^{\circledR}$.


## SEND ME NEW PASSWORD

If you forget your password, a new password will be sent to you to the email address listed in your account. Nickname is required.


CREATE NEW ACCOUNT
To create a New Account, you need to enter (at least) a nickname, an email address and a password.
umprea


* required items


## NICKNAME

Type name of player for all following games and tournaments
DEXTERITY
Choose if player is left-handed or right-handed.

## PREFERED TEE

Choose a preferred Tee to play from
HCP
Type player's handicap in case you want to play the Nett game, where handicaps are considered SEX
Female/Male.
If this field is not filled, Playing HCP (for nett games - with HCP) for a "Ladies" tee will be calculated as for a women and on the other tees as for a man.


To activate the Account, it is necessary to confirm the activation by click on the link in the email you will receive from Creative Golf Server.

## A. GOLF COURSE - Playing Golf



This part of software is designed for playing standard golf games on an existing real golf course of your choice.

## Start Game - Initial Dialog

Chose the golf course, the type of game and other data, or you can play with default parameters. (default course and other data You can change in SETTINGS - > GAME SETUP -> Game Option2.)


## GOLF COURSE

Choose a golf course you would like to play. Click to GOLF COURSE button and choose golf course. See options below: GOLF COURSE - Selection the course.

## GAME TYPE

Choose the type of a golf game. Creative Golf ${ }^{\circledR}$ currently supports these types of standard golf games:

Stroke - standard golf game where score is calculated according to the number of shots per hole. The player with the smallest number of shots wins.
Stableford - score is calculated from points. The points on each hole are derived from the number of shots by formula: Points hole=2-num. of shots + hole par.
The "hole par" for nett games is calculated for the each hole from the golfer "playing HCP". Points on 1 hole: Bogey=1 point, Par=2 points, Birdie=3 points, etc.
The player with maximum number of points from whole course wins.
Match Play - game exactly for 2 Players. Score is calculated from the number of won holes. The best player has the highest number of won holes.

Best Ball Stroke - team game where score of the best player is assigned to whole team at the end of each hole.
Texas Scramble - team game where score calculation is the same as in the Stroke game, but all players from the team always play each shot on course from one selected (best) position. Players from one team take turns on the tee.

Nett / Gross: Generally, the score is calculated from the number of shots used to get the ball into the hole. The game which also takes player's handicap into consideration is called Nett. Playing HCP for the current course is calculated from the players "Precise HCP" and from difficulties of course (CR, SR, and PAR) according to golf HCP formula:
Playing_HCP = Precise_HCP/113*SR + CR - PAR

The player has a designated "Player Par" on each hole, i.e. a few extra strokes according to his Playing HCP.
If no handicap is considered, only the number of achieved shots, the game is called Gross. The player with the smallest number of shots is the winner.

## NUMBER OF HOLES

Choose value from this box to play all 18 holes, front 9, back 9 holes, or select custom holes. SELECT PLAYERS
Select the players and their rank from the Active Players list.


Order: The winner of a hole starts first on the next tee. Then, during play on the hole, the order of players is based on the distance from the pin (the farthest player goes first). Order on the first TEE you can choose in section SELECT PLAYER.
Team
Chose the number of player's team - for team games such as Best Ball or Texas Scramble.


Select the course which you would like to play and confirm it in the bottom right corner.

When choosing, we recommend that you choose appropriately by displaying or filtering the courses according to your requirements.

The list of displayed courses can be

- modified according to availability and popularity (COURSES)
- filtered by course parameters (FILTER)
- search golf course according string
- choosen according to how the course is displayed (VIEW)


SEARCH
$\square$
VIEW
\#


## A. COURSES <br> 

a) FAVORITE COURSES - a list of your favorite golf courses.

These are the courses which you like to play the most and most often.
b) PC COURSES - all courses installed on your PC.

From the list, you are able to select/deselect your favorite courses by pressing the star on the selected course.

c) ALL COURSES - all the courses available on the PC and on the server (in a Course Library) regardless of the purchase of a license.

The installed courses with a purchased license are displayed in full color.
Courses that are not installed or do not have a valid license to play are grayed out.
If you have a license (Course Library Access, or the appropriate Set of courses), you can download the course by clicking on the Download Course icon.
Alternatively you can purchase a license in the e-shop or through your Creative Golf dealer.


When downloading, you can choose to download all the available courses at once.
However, it must be taken into account that it may take a long time, several minutes to hours, depending on the speed of your Internet connection.


Buy license
The course is installed in the PC No license has been purchased for this course
Note: Adding to the Favorites list, as well as downloading new courses and deleting from a PC, can be restricted in setting "COURSES MANGEMENT" in SETTINGS -> GAME SETTINGS -> GAME OPTION2 -> COURSE MANAGEMENT> Not allowed. See also: Game Option 2, page 79.

## B. FILTER


a) according to the country where the golf course is located
b) according to difficulty
c) according to the appearance of the course: type (parkland / links), terrain (hilly / undulating / flat) and the scenery around the course:
d) delete all filters


Note: Use icon "ALL" to general select/deselect:

- All Countries and
- All Difficulties
-     - All Type \& Terrain \& Scenery


## C. SEARCH



Search for a course by part of the name. Enter at least three letters from the name. Another search will find next course with the given string in the name.

## D. VIEW

$\square$

There are three ways to display the courses on offer:
a) Small cards - 12 courses cards on 1 page: In this view, only basic information is given and the name of the course is in an abbreviated, simplified form.


The displayed course parameters at the top are only for the selected card, where
par is a PAR of the golf course from men's tees (Gentleman)
b) Listing - clear table display - 12 courses on 1 page:


In this view, all the main parameters of the course important for the game are listed.

COURSE - abbreviated name of the course
PAR - a PAR course from men's tees (Gentleman)

LENGTH - the length of men's tees (Gentleman)
DIFFICULTY - is the difficulty of the field based on the results of the players' game.

TYPE includes the main characteristics:
Design: parkland / links
Terrain: hilly / undulating / flat
Scenery: moutains / hills / forest / desert / seaside / countryside ...
c) Full - All basic information about the course, including photos and flights over the course.


## ICONS:



Flying over the course on individual holes.


In this view, it is possible to delete the course from your computer to free up disk space.

Icons in all three views:


Download - if the course is licensed but not installed


Update - if the course is licensed but there is a newer version

Buy it -there is no valid license for this course, it is necessary to purchase access to the Course Library (or the corresponding Set of courses)

More information is on the "Details" tab after clicking on the "।" icon of the selected course.

DETAILS: In each of these three types of views, it is possible to view more details by clicking on the "I - more details..." button, where you will also find a complete description of the course and parameters of each TEE according to the player's gender. As well as a few more details.

## DETIALLS

## Hammock Bay Golf \& Country Club

```
The Hammock Bay Course can be found on the west coast of Florida about 20 km south of Naples right next to the Marco
Island Executive Airport
Hammock Bay - owned by the Marco Island Marriatt Hotel - is a typically beautiful Florida galf course with undulating, mostly
wide fairways, large sand bunkers and water almost everywhere.
Nice, but not very easy to play, Recommendable!
```

| country: <br> holes: <br> no. par3/4/5 <br> difficulty: <br> type: <br> terrain: <br> scenery: <br> altitude: | United States 18 <br> 4/10/4 <br> parkland <br> flat <br> lakes <br> 11 m |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TEE | LENGTH | PAR | Man CR |  |  | Noman CR | SR | TEELABELING |
| $\bigcirc$ | 6320 m | 72 | 73.9 | 143 |  |  |  | Champ |
| $\bigcirc$ | 5945 m | 72 | 72.0 | 135 | 72 | 73.0 | 138 | Gentiemen |
| $\bigcirc$ | 5489 m | 72 | 71.6 | 120 | 72 | 72.3 | 130 | Junior |
| $\bigcirc$ | 4954 m |  |  | , | 72 | 72.0 | 124 | Ladies |
| $\bigcirc$ | 4486 m | 72 | 70.4 | 115 | 72 | 71.5 | 115 | Beginner |

No. par3/4/5 is the number of holes PAR3, PAR4, PAR5 on the course.
PAR, CR, SR is designed for each tee, which is playable on the course according to the gender of the player. From these parameters, the "Playing HCP" for the nett game on this course is calculated.
Note: For the unassigned gender, it is taken parameters on the tee of Ladies as for women, everywhere else as for men.
TEE LABELING is a TEE LABELING is a consolidated tee marking in Creative Golf software for all courses, namely: Champion, Pro, Gentleman, Junior, Lady, Beginner.
Note: Every player can play from any TEE.
If the selected tee is unavialable to play, the player will be assigned the next suitable TEE. If $C R, S R$ is not assigned for a given gender and tee, an adequate $C R, S R$ will be determined, according to the difficulty.

## Icons in Golf Course Menu



Game Options and Course Conditions
You can override Game Options or Course Conditions for current game. Default values for each new game are defined in Main Menu \Service \Game Setup dialog.

## Autoplay

This option is intended for presentation of golf course and game on the course. It allows to replay any game you saved. Choose the course, saved game and number of holes to play. The installation package already contains some demo games to show playing on the course. During replay, you can control the game: skip to previous, next hole, exit, skip to previous/next shot using down/up arrows.


## Hole Views

The option is also intended for presentation of golf course. It provides hole views of all course holes, one after other in a loop. During the hole view, click on the scene to skip between holes or finish the presentation.

## Playing Scene

The sheet in the left top corner displays the score, ball position surface, distance to pin, and shot length for each player. The shot length consists of 2 numbers; first one being the distance of ball flight (carry), second one complete ball travel (flight and rolling). Players who already finished the hole are marked by a small pin picture. Players in the sheet are sorted according to their distance from the pin. The yellow one (see image below) is on stroke.


## Aiming and handling of game

## Direction to play / Rotation

Default direction (scene view) of the shot on the tee is set to the flag (on PAR3 holes) or to the middle of fairway by optimal drive (PAR4, PAR5). In another position on course, the view and playing direction is set directly to the flag. You can change this direction by rotating view direction. Touch the screen to point in the desired direction by mouse click or touching the screen; the scene will rotate in this direction.

For finding out the flag position, you can use following features from MENU:

Default View

Hole View


Show me Flag


Explore
For more information - see Chapter Menu and icons during playing, page 27.

## Top View

Panel in top right corner of the scene provides information about the surface current player is playing from, distance from the pin and elevation between current position and the pin. Click on the panel to maximize Top View. Explore the map of played hole. Click anywhere on Top View to measure distances in the scene and/or change player view direction. This is another way to change the view and playing direction.
TOP VIEW Window:


## Using the Grid

In Game Option, you can set the visible GRID - to show better plasticity of the terrain:


The maximum size of the Grid is $\mathbf{2 0 x} \mathbf{4 0} \mathbf{m}$. The standard square size is $\mathbf{1 x} \mathbf{1 m}$.
The size of the Grid changes dynamically as needed, in the case of a smaller distance to the flag, the size is smaller for a better color representation of the highest and lowest point of grid. At the same time, if the distance to the flag is less than 8 m , the grid changes to $\mathbf{0 . 5 \times 0 . 5 m}$.

If "ALWAYS" grid display is selected, the maximum grid is displayed from the ball position. When the distance between the ball and the flag is less than 30 m , the grid is already displayed on the green.

The color gradient is used for 3D grid:

LOWEST
Red hues are used for the lowest positions in the grid area, green hues are used for the highest positions.
Color gradient changing from red to green means uphill.
Color gradient changing from green to red means downhill.

## Using Slope Animation - „Floating Grid"

In Game Option, you can set visible GRID + Slope Animation - to show better plasticity and slope on the green:


When the distance ball to the hole is less than 22 m , moving objects along the grid will be displayed, which will better represent the direction and size of the slope of the green.
In addition to the color display of the grid, the direction and speed of moving objects tell about the slope.
It takes 7 seconds to display the objects. If you click on the scene or the Default View icon, the animation starts again.

For grid and slope animation setting see also SETTINGS -> GAME SETUP -> GAME OPTION 1 -> 3D GRIDS \& GREEN SLOPE ANIMATION:
Grid \& Animation - On the green and close to green (default)
Grid \& Animation - Always
Only Grid - On the green and close to green
Only Grid - Always
Never

## Terrain Influence using

Using the "Terrain Influence" function leads to players not acquiring bad habits while playing on the simulator which could affect their performance playing in nature. It motivates players to avoid water, tall grass, sand and other hazards on the course.
When the ball sits on a course surface other than the fairway or green, it is possible that the ball can be buried in the terrain. The subsequent stroke will be affected by the position of the ball, as well as the type of stroke, especially the launch angle of shot.


The behaviour of the ball on impact is influenced by the surface on which the ball lands. The parameters of a ball in flight (speed and descent angle) will affect the position where the ball will eventually come to a stop and how far it is buried in the surface. It can land in a normal position, be buried, or even land in a beneficial position such as on top of the grass (fluffy, firm).
The surface material, the level at which the ball is buried in the surface as well as the type of subsequent strike affect how much the strike is reduced. The type of terrain also affects the reduction of the ball speed.


The heavier the terrain and the deeper the ball is buried, the more important it is for the strike to be high (higher Launch Angle angle) to minimize the influence of the terrain.
The player is informed about surface, the location of the ball, the position the ball lies, as well as a range of influences (reduction) by the icon in the bottom right corner ( providing this display and influences have been enabled in the Game Setup).


## Terrain Influence - Setup settings.



The player can enable or disable the influence of the terrain in the section SETUPS -> GAME SETUP -> DEFAULT SETTINGS -> GAME OPTION 2 -> TERRAIN INFLUENCE.
Alternatively, the player can keep the influence icon displayed in the background, but the influence of the terrain will not be displayed, playing is without damping.

## Information in the game:

The player is informed before the each stroke of placement of the ball and its position (in the picture, with additional information displayed after clicking on the icon).


After the stroke the player receives information about the applied damping in the post-shot picture:


## Terrain options, ball position and their influence on the flight of the ball:

1. Tee, fairway, forgreen and green do not affect the stroke and the flight of the ball.


On TEE


Fairway (normal)


Fairway (fluffy)


Forgeen


Green
2. High grass (Rough, Heavy Rough). It affects the shot from $8 \%$ (fluffy) to $40 \%$ (buried).

The damping in a given range depends on the vertical launch angle of shot.


Buried (30\%-40\%)


Normal (12\%-15\%)


Fluffy (8\%-10\%)


Heavy Rough ( 12\%-15\%)
3. Deep grass. It affects the shot from $20 \%$ (fluffy) to $45 \%$ (buried).

The damping in a given range depends on the vertical launch angle of shot.


Buried (35\%-45\%)
4. Sand. It affects the shot from 6\% (fluffy) to 40\% (buried).

The damping in a given range depends on the vertical launch angle of shot.

Buried (30\%-40\%)

Normal (25\%-35\%)

Fluffy (23\%-30\%)

Firm ( 6\%-10\%)
5. Other possible materials (asphalt, concrete, gravel on pathways) dampen the shot minimally or not at all.


Asphalt


Concrete

Foot Path

## Help with putting

Putting is improved with a new feature - possibility to rotate the scene view of the green to the direction of an ideal putt, which allows beginners to concentrate only on the strength of the putt. Direct shot increases the possibility of hitting the hole.

## SHOW IDEAL PUTT - Without camera rotation:



You have to choose a suitable direction angle of putt.

## SHOW IDEAL PUTT - Rotate camera to ideal putt direction:



You can play always straight. The terrain left/right break turns the path of the ball.
Note: Rotation in the direction of the ideal putt is manifested if the distance of the ball from the hole is less than 20 m .

## Setting putt helping options:

Set "SHOW IDEAL PUTT" parameter in DEFAULT SETTINGS, GAME OPTION 1 as default after start each game.


Set "SHOW IDEAL PUTT" only temporally - only for current game in MENU, CURRENT GAME OPTION.


Item "Force straight...." is designed for children and beginners, the putt will be straightened, the side angle of the ball path will not be considered.

## Menu and icons during playing

Menu contains all other icons:


## Mulligan

Cancel your last shot. It is possible to cancel only one last shot. Use this for cases when you think the measurement system did not measure your shot correctly, or if you were disturbed by something during the shot.


## Rehit

Repeat your shot from the previous position. Use if you shot into forest, hazard or any other place where it is impossible to continue playing from. One penalty is added to your score.


## Drop / Finish Drop

Drop the ball to define new position you want to play from. This function is used after hit into water or area bounded by red/yellow sticks. You can move back to find a better position. Click Finish Drop if you are satisfied with your new position. One penalty is added to the score after hitting water or dropping the ball.


## Replay and Replay Reverse

Replay your last shot to see it again. Replay Reverse gives you the opportunity to see the shot from the recent position of golf ball.


## Last Shot Info

Shows information about the last shot such as player's name, score, length of shot, distance from pin, launch and flight parameters or surface material.


## Restart Hole

Play hole from the beginning.


## Hole View

Run flyby to explore the hole.


## Show Flag

Check the direction of flag position. Flag moves fast towards the player and back to its location.


## Explore

Explore the hole by walking on the course.


## Scorecard



## Save Game

Save your game in any state. You can continue playing the game using the Resume Game icon in main Menu.


## Finish Game

Decide to save or not to save the game in the dialog. The same action is invoked by the Esc key.

## After expanding the menu (MORE), following icons appear:



## Remove Player

Remove player who does not want to continue the game from the flight


## Skip Player

The player on his turn can be skipped if he is not ready to shoot. It causes no penalty; the skipped player will be on his turn later.


## Player to Next Hole

Click this icon if current player wants to pick up ball and finish the current hole. Eight penalty points will be added to the score.


## All to Next Hole

Click this icon if all players want to give up playing of the current hole. Eight penalty points will be added to the score of each player.


## Practice

Practice your shots from current position any time during playing. Continue with the game after finishing the practice mode.


## Full Info

Show / Hide the sheet at the top of the screen with information about players' last shots.


## Default View

The command can be used after player rotates the view manually (using yellow arrows or touch on touchscreen). Click this icon to return the player's view to default direction: middle of the fairway from the tee (PAR4, PAR5), or to the flag.


## Explore

Explore the hole by walking on the course.


## Game Options

You can override Game Options for the next play. Default values are defined in Main Menu \Service \Game Setup dialog.


## Course Conditions

You can override Course Conditions for the next play. Default values are defined in Main Menu \Service \Game Setup dialog.


## Game Statistics

Display dialog with statistics of players' shots during the game.

## Game statistic details:



Player's (Team's) Name - name of the player or name of the team in team game (e.g. Texas Scramble )
Holes Played - number of finished holes
Holes in One - number of holes finished by single stroke
Longest Drive (F) - longest distance between start stroke (Tee) and stop position of ball, only in case of drive to Fairway - defined as Drives (F). Drives ended in Rough, Water, Hazards, are not counted in in this parameter.

Drive (F) is the first stroke on PAR4 and PAR5 holes which finished on Fairway (or Green, Forgreen, Tee and Hole in One).

Ave. Drive (F) - average length of Drive (F)/total drives (F)

Total Drives (F) - number of Drives (F)
\% Drive (F) - percentage of Drives (F)/All Drives (on finished holes PAR4, PAR5)

Greens in Regulation (GIR) - Number of holes where player achieved green according to the rule:

- for par 3, ball is on green by $1^{\text {st }}$ stroke
- for par 4 , ball is on green by $1^{\text {st }}$ or $2^{\text {nd }}$ stroke
- for par 5 , ball is on green by $1^{\text {st }}, 2^{\text {nd }}$ or $3^{\text {rd }}$ stroke

Note: The GIR is registered only if the ball ended on green, regardless where it landed.
\% Greens in Reg. - percentage of GIR holes count/all finished holes
\% Par Saves - percentage of Par Save count/all 'no GIR' finished holes

Par Save - number of holes where player did not reach GIR but finished hole with PAR or better. Count of Par Saves is compared to all finished holes without reaching green in regulation.
\% Sand Saves - percentage of Sand Save count/all 'In Sand' finished holes
Sand Save - number of holes where player did at least one stroke into sand but finished hole with PAR or better. Count of Sand Saves is compared to all finished holes where ball lay in sand.

Total Putts - number of putts on all finished holes

Putts/Hole - average number of putts on all finished holes (Total Putts/All Finished Holes)

Putts/Hole (GIR) - average number of putts on all finished holes with GIR only
(Total Putts on GIR Holes/All Finished GIR Holes)

Chip-ins - number of strokes played outside of green which finished in hole

Ave. on Par 3s - average number of strokes played on all finished PAR3 holes
Ave. on Par 4s - average number of strokes played on all finished PAR4 holes
Ave. on Par $5 s$ - average number of strokes played on all finished PAR5 holes

HCP - Players handicap (EGA Handicap) - defined by user before the game

Playing HCP - playing handicap for Player (Team) on current course. It is modified player's HCP according to the difficulty of golf course. (Calculated from CR and SR rating of golf course.)

## Postshot

The standard type of Postshot is displayed when playing on a golf course or during training (Practice).
Fun games have Postshot that depends on a particular game.
The displayed parameters depend on data provided by the device.
Postshot for playing on Golf Course and Driving range:


Distance - Total distance of shot
Carry - ball flight distance by air, from launch to impact on the ground
Deflection - Left or Right distance from where the ball landed to a straight line
To Pin - remaining distance to hole
On the left (for right-handed players), the following parameters of the ball fly are displayed:
Launch Angle - Vertical Angle of ball Flight
Back Spin - Vertical reverse rotation of a ball
Ball Speed - Velocity of ball after impact
Side Spin - Horizontal Spin. "+" value is spin to Right, "-" to Left.
Direction - Horizontal Angle of Ball Flight. "+" value is Right direction, "-" Left.
Launch Angle - Vertical Angle of ball Flight at start
On the right side (for the right-handed players), the following parameters of the club are displayed:
Attack Angle - Vertical Angle of Club before impact
Dynamic Loft - Effective loft of club in the moment of impact after ball leaves the club head
Club Speed - Speed of Club head before ball impact
Club Face - Angle between front edge of Club Head and vertical line to shot direction line in the impact moment. "+" is OPEN Club Face, "-" means CLOSED
Club Path - Angle between path of Club Head and the direction line in the impact moment.
"+" is IN to OUT, "-" means OUT to IN.
For left-handed players, the parameters are opposite, the right and left sides of table are switched.
Note: The image of the club (Driver, Iron, Wedge) is displayed based on the estimate of the club according to the received data. A shot that differs from the standard values, can be caused by confusion of the club type.

## B. PRACTICE



Improve your swing in training in three modes on the driving range (Driving Range / Team Training / Club Fitting), practice chipping and putting (Chip \& Putt, Putting), or practice shots from any position on a selected golf course.


Practice on Driving Ranges
Driving Range, Team Training, Club Fitting
In all driving range modes, you can choose from various areas for practice: classic, short, long or special range.


Use FlyBy icon $\square$ to see all trajectories in 3D flight around.


## Driving Range

Driving Range section is suitable for single player practice, you can choose from several driving areas and training conditions.

In "2D View \& Dispersion" part, you can see side and top view, but also statistics and dispersion of your shots and more.

## Team Training



The Team Training is suitable for common training of a small group with a trainer, where players can be compared according to their results, including smallest scatter (dispersion) and average values. It is possible to use this option for a 2-4 Players competition in these parameters, too.
Statistics and results are displayed according to individual players.

Needed settings: number of players, number of shots of each player (changing after), names of players, and preferred color of ball flight trajectory.

In "2D View \& Dispersion", it is possible to see Dispersion of each player and comparison of total and average parameters.
"Results" - viewing results according to players and evaluation of the best one and the second best.

## Club Fitting



Club Fitting option is useful when choosing the most suitable club, for example when shopping. You can try out various clubs, by different brands, and the software evaluates the best club according to various parameters (carry, total, backspin, dispersion), even by average values. Shots in statistic are collected according to clubs used.

Needed settings: names of tested clubs (Brand name), preferred color of ball flight trajectory of clubs.

In "2D View \& Dispersion", it is possible to see Dispersion of each club and comparison of total and average parameters.

[^0]Dispersion of shots (for all driving modes):

Choose appropriate distance to green for better evaluation of shots.

In Standard View (3D), use the "2D View \& Dispersion" icon to see 2D View, Dispersion, statistics and evaluation of your shots.


8
In Club (Player) Statistics, you can delete unsuccessful strikes to correct dispersion and results.

In the top left corner, you can check the Clubs (Players) options to display (or hide) selected trajectories.

Results:


Club Test results Choose "Club Test Results" icon to see Club recommendation Team Training results Choose "Team Training Results" icon to see training results and player comparison.

| CLUE TEST RE5ULT5 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9\% theninciar erive |  |  |  |  |  |  |  |
| PLAYER John |  | DATE 31-Jan-19 |  |  | FLAS POSITION 150 yd |  |  |
|  |  |  |  |  |  |  |  |
| DISCIPLINE | NAME | SHOTS | VAlue | NAME | SHOTS | Value | PERCENTAGE OF BEST |
| Longest drive - Total | Callwy 17 | 5 | 176 yd | Mizu 17 | 4 | 155 yd | 88\% |
| Longest drive - Carry | Callwy 17 | 5 | 165 yd | Mizu 17 | 4 | 132 yd | 80\% |
| Highest Backspin | Callwy 17 | 5 | 4746 | Mizu 17 | 4 | 4135 | 87\% |
| Nearest to PIN | Mizu 17 | 4 | 6 yd | Callwy 17 | 5 | 7 yd | 86\% |
| AVERAGE VALUES <br> [for each club] <br> best club <br> SECDND BEST |  |  |  |  |  |  |  |
| DISCIPLINE | NAME | SHOTS | VALUE | NAME | SHOTS | VALUE | PERCENTAGE OF BEST |
| Longest drive - Total <br> Longest drive - Carry <br> Highest Backspin <br> Nearest to PIN <br> Best Dispersion - Total <br> Best Dispersion - Carry | Callwy 17 | 5 | 155 yd | Mizu 17 | 4 | 139 yd | 90\% |
|  | Callwy 17 | 5 | $140 \mathrm{yd}$ | Mizu 17 | 4 | 126 yd | 90\% |
|  | Callwy 17 | 5 | 4282 | Noname 17 | 4 | 4044 | 94\% |
|  | Callwy 17 | 5 | 13 yd | Mizu 17 | 4 | 14 yd | 93\% |
|  | Mizu 17 | 4 | 184 yd 2 | Callwy 17 | 5 | 594 yd 2 | 31\% |
|  |  | 4 | 76 yd 2 | Noname 17 | 4 | 490 yd 2 | 16\% |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | OK |



Driving Ranges Setup ( for all driving modes ):


This driving range setup is common for all driving modes: Driving Range, Club Fitting and Team Training. The dialog allows you to define:

DRIVING RANGE - choose preferred type of driving range.
PIN DISTANCE - Choose from pin distances predefined on driving range. You can also click on any position in the Define Position window to change the position of player and thus change the pin distance. Selecting the appropriate green distance to be trained is important for correct evaluation of the dispersion, statistics, and training results.

FLAG DISPLAY - Yes/No to show flag on selected green or not

TARGET CIRCLE - Display aiming circle with defined diameter around the pin.
GRID
Elevation Spacing, Distance Spacing
Setup spacing parameters of grid used in FlyBy function.
Distance Grid in 3D
Allow grid (Yes/No) in 3D View

## Additional Icons in Practice Modes

Most of the features known from playing Golf Course are available also in practice mode, but there are also other functions you can set to improve your training.


Driving Range Setup:
Access the dialog to change driving range setup. The Driving Range Setup dialog appears also at the beginning of playing on Driving Range.


## 2D View \& Test Results

Switch scene to larger 2D view, where top and side view are combined next to each other.


Show Dispersion (ON/OFF)
Show Dispersion in top View


## Carry (ON/OFF)

Show Dispersion for Carry/Total Distance


## Club Fitting /Team Training Results

Show Results of Club Fitting (Club recommendation) or Team Training (Player comparison)


## 3D View

Return to driving range standard 3D View.


Club Statistics (for Driving Range and Club Fitting)
The sheet allows you to see shots sorted according to clubs.
For Club Fitting player decides how shots are categorized - according to type, brand name, etc.


Change Club in Driving Range - set a new color of trajectory, In Club Fitting - assign next shots to a new club, and thus to a new group of data.

You can also change the color in one group of shots in Club Fitting for better distinction.


Player Stats (for Team Training)
The sheet allows you to see shots sorted according to Players.


Delete All Shots to empty the sheet including trajectories and shots data.


Delete Selected Shots to remove shots from club statistics, and recalculate the statistics, dispersion and club test or training results.

Click the Print icon to print the statistics table.

## Chip \& Putt Practice

Train your short shots and putting on a practice green. The first dialog allows you to choose a player and flag positions. Choose one circle and one cross to practice your shots.


## Chip \& Putt Option, Conditions

In this settings you can set Course conditions or Game options (only for current session).


## Practice on Course

Practice your shots from any position on golf courses to improve your skills in special situation or place on real golf course.


Putting
Improve your skills by playing a putting game on golf course greens.


## C. GAMES



## Target Golf

This game through fun improve precision of your shots. The course contains islands in different dimensions and distances. The player has several strokes to reach an island and obtain points, the number of which depends on distance to pin. Players collect points on multiple islands using defined number of shots.


## Easy Golf

Easy Golf offer short golf as P\&P, PAR3 courses for beginners and golf courses designed for children. Fairytale course with many fairy tale themed objects is regulated by the same rules as a standard golf game, but holes are substantially shorter, results comparable to adult players.


## Mini Golf

Play on mini golf courses using only putter to deliver the ball into the hole in as few strokes as possible.


## Set Switch Player:

After end of Hole: Each player plays continuously one hole to end.
By the golf Rules: Players alternate according distance to hole, similarly as in the Stroke game.

## Demolition Golf

Try this entertaining game aimed primarily at teenagers. Courses contain a set of ramshackle old buildings or greenhouses. Players obtain points by breaking windowpanes. They collect points in multiple scenes using defined number of strokes for each one and try to achieve the highest score.


## C2. Additional GAMES - GOLFISIMO



With purchase and installation of the Golfisimo package, you obtain more golf courses in the Games section, and also new types of golf games. These fun games improve your golf skills, accuracy and consistency of shots, short play and game strategy.

Golfisimo can also be used as an independent program. The installation is done in the same way as the installation of the Creative Golf ${ }^{\oplus}$. If you already have the Creative Golf ${ }^{\oplus}$ installed, Golfisimo will be installed inside the Games section, which will be renamed to Golfisimo, so that you can manage all the games from one interface.


The first four games are designed for 1 to 8 players, on the other hand Head-to-head games are for two players or teams playing against each other.
In addition to new games at the bottom, the Golfisimo package also includes new playgrounds in the original Games section, especially new Target course, Chip \& Putt and Par3 courses, impressive mini-golf courses, and more...


## Darts

The Darts game is designed for one or more players.
Players can choose from the standard Darts games: High score (for 6 or 9 rounds), 301 Single Out and 501 Single Out. These are displayed on three large targets in nature from different distances.


In the High Score games, the aim is to achieve maximum points in a given number of rounds.
In the 301 or 501 game, the aim is to be the first to reduce a fixed score to zero. Points are subtracted from player's total after every three strokes.
The value of each section of the dartboard is displayed on the dartboard.
Values on the dartboard:


Hitting the Inner Ring scores triple the points value of the section


Hitting the Outer Ring scores double the points value of the section


Hitting the Outer Bullseye scores 25 points
Hitting the Inner Bullseye scores 50 points

## CastAway

The CastAway game is designed for one or more ( $\max 8$ ) players.
The aim of the game is to get from a desert island to the mainland by passing from island to island with as few strokes as possible.


## Shooting range

The game for 1 to 8 players, is designed to refine one's promptness, assessment of the situation, decision making, and correct golf stroke under time stress.
Players shoot at floating ice blocks during the selected time interval in order to get as many points as possible.


They are awarded 100 points when they hit a floating ice block, and a bonus of 300 points if they hit the statue in the middle of the block.


## Biathlon

The game is designed for 1 to 8 players to practice the consistency of their strokes, keeping an accurate launch angle and precise pitch shots under the stress of a time limit. Each hole is played for best time result.
The aim of the game is to play the entire course in the shortest time.
The player with the shortest game time wins the game.

The game on each hole consists of:

1. Reaching the green - ideally in three strokes using the same club.
2. Trying to hit five targets in five strokes; one stroke per target.

Missing a target is penalized with a 30 second penalty.

The course consists of six tracks (holes). Choose the hole you which to play according to your skill and ability. Each hole and target on green is designed to be played with the same club.


The targets are designed to take into consideration the launch angle of the selected club for the hole at full swing.
umprea


The stopwatch starts running with the first stroke, and pauses between holes or when you rotate the scene, or choose items from the Menu.

## Bridges

The game is designed for two players or two teams (red and yellow).

Players try to connect three parts of a city by creating bridges between individual islands by one path. They need to hit neighboring islands to build a bridges.


Red player builds footbridges from red bricks, yellow player footbridges from yellow stone.

They have one, two or three attempts, according to their game settings. If the ball hits water, or an occupied island, and the player is out of attempts, the opponent continues.


Player (team| who connects three parts of a city, wins.


For this game, two game areas are available, 40-110 yds. and 25-70 yds. for pitching.


## Barrels

The Barrels game is designed for two players or teams (red and yellow) for training of short distance chipping.
Players try to hit the ball into their barrels with red or yellow edge, in order to sink them under water.


Players have one to three attempts, depends on choosing before game.


If a player fails to sink his barrel, or hits the opponent's barrel, he loses his turn.


If player hits all of his barrels, he has to confirm his victory by hitting a mine. If, however, he hits the mine earlier during the game, he loses and the game is over.


## Battlefield

In the game, inspired by the historic War of Roses in England, two players or two teams (York and Lancaster) fight against each other.


The aim is to get to the opponent's command field under the castle by gradually occupying the fields. You can choose from two fighting field: 100 yds . ( 92 m ) and 158 yds . ( 144 m ).


## Grand Slam

The Grand Slam game is designed for two or four players.


The rules of the game, scoring and displaying of results are similar to those of a tennis match. The match consists of only one set.


## Service:

First player serves with two strokes.
First stroke determines the pin placement, second one the green size.

If the player misses the court with any of these two strokes, the opponent gains 'fifteen'.

You created new Green.


Return:
Depends on game type chosen before game - Regular or Fast game type.
Return in Regular game type:
The second player has one, two, or three attempts, depending on game settings, to hit the green. If he misses, his opponent gains 'fifteen'.


If he hits the green, he successfully returns, and at the same time determines a new pin placement.
With his next stroke, he sets a new green.

Return in Fast game type (default):
If the player hits the green, gets "fifteen", otherwise gets "fifteen" served player.

First player serves throughout the first game, second player serves throughout the second game. This rotation continues until the end of the match.

Players can choose one or more courts of various sizes for their match.
Courts change after every two games.


## D. TOURNAMENTS

The ONLINE GAME is a way to play with anyone in the world in the same flight and at the same time. Sometimes this game is also called peer-to-peer.

You can play LOCAL EVENTS only on your local computer, they are created for all Creative Golf ${ }^{\oplus}$ users. Local Events are suitable for events with several people interested in the game. The best attempt is recorded on the leaderboard.

ONLINE TOURNAMNTS are created on cloud server for all Creative Golf ${ }^{\circledR}$ users with personal account on cloud (further on as "CG3D Members".)


## 1. ONLINE GAME - peer to peer

The ON-LINE line game is a way to play with anyone in the world in the same flaight and at the same time. Sometimes this game is also called peer-to-peer.
You can log into a created game that someone has offered to play, or you can create your own game and wait for someone to log into your flight.
You can also search for a teammate or a suitable tournament using the Discord network, which can be accessed directly from the game.
You can also create a private game for your friends and provide them with the game name and password.
Then just wait for the players to log into the game. Each player's shots will be displayed to all teammates.

Login to the existing game
Start the Online Game and you will see the games that have just been created, where the playercreators are waiting for someone to join the flight.

Select the game and click JOIN to log in to the game:


Press SET TO READY - this means you are ready to play the game.



The launch of the game itself must be initiated by the creator of the game - the challenger, by confirming that he is also ready to play the game.

The game will start after 10 seconds.


## Note:

The challenger can refuse your participation in the flay. If he does so, you will no longer be able to log in to this game.

Each shot will be interpreted on both (all) computers.
During the game, you will be informed who is next to make shot:
a) Red: If you are waiting to another player to shot - on a different computer, you cannot shot:

b) Orange: If it is your turn, but your teammate is not currently ready to take a hit ( rotating the scene, or performing other operations with the program, etc.)

## WAIT until all players will be able to accept a shot.

c) Green: Your teammates are waiting for you to shoot - it's your turn.

```
Jaro200 can play a shot
*)
```

Note:
If there is a short-term internet outage, the system will attempt to restore the connection and continue in the game.
If a player's disconnection time exceeds a tolerable amount of time, the player will be disconnected from the flay and the other players can continue the game without the player.
It is therefore advisable to have a reliable internet connection.

## Creating a new online game

Creating one is similar to creating a tournament. It takes place in two steps:
a) Defining the basic parameters of the game - in particular the tournament name, the game type, and access: public/private.


If you are only interested in playing with a specific partner, create a PRIVATE game that will only be accessible to players who know the password of this game.
b) In the second step, you define the parameters of the game, similar to how you create a tournament, the course, and the conditions of the game.


If you confirm all parameters, the online game will be created and other players will be able to see it and log in ( for private games with password only).

The registered player must confirm that he is ready to play. This is shown on the left side as READY (see previous chapter).

The creator of the game does not have to accept the player in question. He can exclude him from the game by pressing $X$. The player will no longer be able to log into the game.


The game will start when everyone is Ready and the creator starts the game by pressing START ( READY).

A 10 second countdown will start and the game can begin....

Remark:
During the game, you can use chat direct in game.


## 2. LOCAL EVENTS



These tournaments are played on one computer, without the necessity of internet connection; results are saved only on that computer.
Local Events are suitable for different occasions, but especially for events with several people interested in the game. Unlimited number of players try to achieve the highest score with a few shots under the same conditions. The best attempt is recorded on the leaderboard.


Target Challenge


## Demolition Challenge



Longest Drive


Nearest to Pin


## 3. ONLINE TOURNAMENTS



For online tournaments, the internet connection is a necessity and only logged in "CG3D Members" (players with an account) can play.
Tournaments that can be played and competed by anyone with Creative Golf ${ }^{\oplus}$ or Golfisimo software with anyone around the world.
The tournament can be created for CG3D owners regardless of the measurement device, or especially for the Sweetspot system owners. You can also create private tournaments for your friends, indoor or club.


## Play Tournaments

Play On-line tournaments. Tournaments are accessible for "CG3D Members" with personal account on Creative Golf Server.
You can play Public tournaments, or Private tournaments created for specified group of users.



## a) Public Tournaments

These tournaments can be played by all players with Creative Golf ${ }^{\circledR}$ or Golfisimo program worldwide. Public tournaments are created by authorized CG3D creators only. If you want to create public tournaments, you need to apply for permission at cg3d.support@datacrea.sk.

Your results will be written in Tournament leader board.


On the top is filter for listing selection:
STATE: tournament time validity (Running / Finished / Oncoming)
GAME TYPE: You can play different types of games and select a list of tournaments:
Standard games: Stroke (Gross/Nett), Stableford (Gross/Nett),
On-line event tournaments: Longest Drive, Nearest to Pin, Target Challenge, Demolition
Challenge
Special Fun Golf: Target Golf, Demolition Course, Mini golf.
Team tournaments: Best Ball (Gross/Nett), Texas Scramble (Gross/Nett)
Tracking: You can choose tournament created for:
Only for my device type: Tournament only for your type of golf measuring equipment
All: this tournament can be played by all Creative Golf ${ }^{\circledR}$ /Golfisimo owners, regardless of their type of launch monitor.

If you choose Only for my device type - you will see tournaments only for your measuring system.


## b) Private Tournaments

Private tournament are created by arbitrary CG3D Member with account for his friends, club or indoor party.
You can play Private tournament if know Name of tournament or ID number of tournament and Password. This data provide to you creator of tournament.

Private tournaments are hidden in tournament listing, you need enter at least 3 character of tournament name, or ID number and password. Please ask tournament creator for it.


## INFO

All information and game conditions about selected tournament


## Leaderboard

View Leaderboard of selected tournament

## Resume Tournaments



Each open tournament you play, can be saved before its finishing and continued to be played at anytime and anywhere. The unfinished tournament can only be saved at the end of the game (Save \& Exit), and the game cannot be exited without saving. This preserves fairness of the competition, the players cannot start an open tournament several times from the same position to achieve better results.

In Tournaments listing you can see only your saved tournaments.
Check whether you are logged in, see list of Active Players.


## My Results

In this part you can see all your finished tournaments and your results.

Only logged in player can see his results in the list.
Check whether you are logged in, see list of Active Players.


## World Ranking

Each tournament is awarded a number of points that is divided among the winners of the tournament and the participating players.
The point value of each tournament is determined automatically according to the difficulty of the tournament.


A player who completes the tournament will receive a point gain, which will be included in the world rankings for the current year.
Evaluation and entry into the World Ranking's table is concluded after the end of each tournament.

You also earn points for participating in the tournament. Just finish it.


## Manage Tournaments

This part is for creators of tournaments to set up, edit or delete tournaments. Only creators can manage their tournaments.


Only Creator can see his tournaments in the list.
Check whether you are logged in, see list of Active Players.

## Edit Tournament

Edit selected tournament.
If tournament is oncoming you can edit all of its parameters.
If tournament is running, you can only edit its ending time or delete it.


Delete Tournament
Delete selected tournament.


## Create New Tournament

Create new tournament.
All CG3D Members can create Private Tournaments,
Authorized partners or members can also create Public tournaments, see next Chapter.

## a) Create New Tournament

For creating a new tournament, you have to be logged in with your account. You can set up a tournament with any type of game, and you can also set conditions, golf course and so on.

All CG3D Members (with an account on the Creative Golf server) are allowed to create Private tournaments. The tournaments can be joined and played by all logged in players who know the tournament name (at least 3 character) and its password.

Therefore, as a creator, remember the Name of your created tournament and its Password. If receive this password by e-mail, provide it to your friends to playing your tournament.
For creation of Public tournaments, it is necessary to have the "Authorized Tournaments Creator" status. Requests for this status have to be sent by an e-mail to cg3d.support@datacrea.sk.


GAME TYPE: You can play different types of games and select a list of tournaments:
Standard games: Stroke (Gross/Nett), Stableford (Gross/Nett),
On-line event tournaments: Longest Drive, Nearest to Pin, Target Challenge, Demolition
Challenge
Special Fun Golf: Target Golf, Demolition Course, Mini golf.
Team tournaments: Best Ball (Gross/Nett), Texas Scramble (Gross/Nett)
HCP RANGE: For who is this tournament allowed.
TRACKING: You can choose tournament created for:
Only for my device type: Tournament only for your type of golf measuring equipment
All: this tournament can be played by all Creative Golf® ${ }^{\oplus}$ /Golfisimo owners, regardless of their type of launch monitor.

If you choose Only for my device type - you will see tournaments only for your measuring system.

In the next window (depending on the type of game) fill in all the parameters of the tournament:

b) Edit and Delete Tournament

Only the creator can edit or delete the tournament.
If the tournament has not yet begun (the start date of the tournament has not yet occurred), it is possible to change all tournament items.
If the tournament is already running, it is only possible to extend its duration, i.e. to change the date of its end.

The creator can delete the tournament at any time.

Be aware that if you delete a running tournament, all data will be lost. Check out the Leaderboard to see if anyone has already played this tournament.

## Settings

Configure or activate your game, set your playground dimensions or update software to newest version.


## Game setup

Change game setup, define default settings and options of the game in 5 tabs:


## Course Conditions

Game Options 1
Game Options 2
Graphics, Sound


## Each new game starts with these parameters.

These parameters (all tabs) are reset to default values at the beginning of each game.
Some can be changed during the game, but only temporarily only for current game.


## Restore Default

Set all items to default factory setting


Performance Test Test your computer to set optimal values of graphical parameters to display the maximum available details.
See also Setting V-Sync, Anti-Aliasing, page 81.

## Course Conditions



The Course Conditions tab allows you to change green hardness and speed, flag position, wind speed and cloudiness.

GREEN HARDNESS It is a green parameter about influence to ball jumping.
Custom: You can fine-tune the reflections of the ball from the green:


Note: A harder green does not automatically mean that landing ball will roll more because with a harder green there may be more number of bounces and thus more energy of the ball will be absorbed and it may paradoxically roll less. Tune with GREEN SPEED and BACKSPIN INFLUENCE together.

GREEN SPEED It is green parameter determining the speed of the ball rolling according a stimpmeter standard. Set according to speed of your putting mat, but be aware that at speeds above 8 ft is difficult to play on undulating greens with breaks.
Custom: You can fine-tune the speed of the green:

| GRFEN SPEED |
| :--- |
| Medium (USGA 6.5 ft ) |
| Slow [USGA 4.5 ft ] |
| Slow - Medium [USGA 5.5 ft ] |
| Medium [USGA 6.5 ft ] |
| Medium - Fast [USGA 7.5 ft ] |
| Fast [USGA 8.5 ft ] |
| Very Fast [USGA 10.5 ft ] |
| Custom |



BACKSPIN INFLUENCE It is a green parameter about influence back spin to reducing rolling or back rolling of the ball after landing to the green. Adjust according to your experience. Results of the backspin effect depend on the type of green grass, your clubs (wedges), your skills, and backspin measuring of your launch monitor device.
Custom: You can fine-tune the backspin influence of green:

| GREEN EAGKSPIN INFLUENGE |
| :--- |
| Normal |
| Weak |
| Normal |
| Strong |
| Custom |



## Game Option 1

In the Game Option 1 tab, you can change the settings of a golf game, e.g. which units to display, whether computer should putt instead of you, whether and what distance to use for gimmie, where to display 3D grid, movement of camera during shots, and many others.


## Game Option 2

The Game Option 2 tab allows you to predefine values for the play game dialog, and default language.


GOLF COURSE The program starts in section GOLF COURSE always with this course.

BOOST Increasing (weakening) the flight of the ball and the distance reached. E.g. a value of 1.12 will extend the flight by $12 \%$.

COURSE MANAGEMENT Allows you to set the list of courses: Download, update, set favorite courses.

MIDDLE AUXILIARY LINE This setting displays the black center line - straight direction from the ball position to scene. See also in the Playing area.

## Sound

The Sound tab allows you to turn sounds, shout sounds and applause sounds on/off.


Graphics


The Graphics tab allows you to change graphics details mode, settings of graphics card,
displaying of balloons, birds and so on. If you use only touch screen, set Windows mouse option to Disabled.

RESOLUTION Set the appropriate resolution according to the projector, screen.
WINDOWS MODE By default, it is good to cover the entire screen (Full screen). If you use another measuring program in parallel, it is advisable to use the "Borderless Window" setting. When switching from the program to the program, the Window will not be minimized.

FONT SIZE OF TOP VIEW For low resolution, you can enlarge the font in Top View.

## ANTI-ALIASING, V-SYNC - Advanced graphics settings:

## Setting V-Sync, Anti-Aliasing

- V-sync: Set the limit of fps (frames per second)

Vertical synchronization is synchronizing of rendering on graphics card with refresh rate on the display. Two scenarios are possible:

- graphics card renders faster (bigger FPS) than display refresh rate. In this case, it is good to set the V-sync to Interval 1 to limit FPS to display refresh rate. It prevents from screen tearing
- graphics card renders with smaller FPS than display refresh rate. In this case, it is good to switch the V-sync (Disabled) off to minimalize display lag (time measured between user action and reaction visible on screen)
For deciding if computer is powerful enough to use V-sync Interval 1 , run the Performance test.


Steps are:

1. Set V-sync Disabled.
2. Run Performance test
3. Get result on High details.

If average FPS on High details is bigger than your monitor refresh rate (common are $60 \mathrm{FPS} / \mathrm{Hz}$ ) then use Interval 1, in other cases use Disabled.
In case you get FPS under 25-30, it is good to switch off Anti-aliasing, and if it does not help, it is recommended to use Medium or Low details.

Note: There is a possibility that V-sync Interval =1 will not work on some notebooks and all-in-one computers. In such case, go to CG3D installation folder (default: ProgramData), 'bin' subfolder and delete the ogre_release.cfg file. When you start the CG3D again, the first configuration dialog appears, and you must set the $\boldsymbol{V}$-sync to 'Disabled'.

## Playing Area



PLAYING AREA Define your simulator space.
This ensures that the ball flight and its displaying is calculated correctly.

## OPEN AREA

Normally, the ball is always displayed in the scene before the shot. This is a common behavior if you use PC monitor to display the scene.


## CANVAS

In case you built your simulator using projecting screen and projector, it is better to show the ball flight only from the moment when the ball hits the screen (mode "CANVAS").


Set basic dimension of you playing area ,size of the canvas (picture) and the distance of the ball from the screen:


Software maintenance

## UPDATE VERSION



Download and install the latest version from server (internet connection is necessary). If you do not have internet connection, CG3D software scans for updates on any plugged-in USB flash drive. (Update file Setup...update must be saved on the removable drive in root directory).


## SHORTCUTS

List of shortcuts used in the program.
For example: F - Show Flag, M-Mulligan, X-Skip player.....


## PASWORD SETTING

Setting the password prevents from changing program settings, deleting games and results. This is useful to set for public installations, as a precaution against unwanted setting changes. You can clear the password by repeatedly setting a
blank password.

## Have a nice play

## Attachments.

## A. When it is necessary an internet connection

Internet access is required:

## During game

1. To create a player's account and log in to the game with a player's account. Otherwise, you can only play as a "guest".
2. To play online tournaments. Otherwise, you can only play local tournaments.
3. To save and restore unfinished games and tournaments to/from the cloud (Creative golf server). Otherwise, you can save the played games only on your PC.
4. To check the validity of the license. It is necessary that the PC is connected to the Internet at least once every 14 days while running the program Creative Golf ${ }^{\circledR}$ (resp. Golfisimo).
Dongle owners may not have internet access for this control.
5. To check that the golf courses are up-to-date, to check new courses releases and new downloads if needed. Especially to check the Course Library, where new courses are being added.
6. To receive information about new versions and possible updates.

[^0]:    "Results"- viewing results according to clubs, and recommendation of the most (and second most) suitable club.

