

User Guide

Interplay-sports Pro 4.5

Ice hockey



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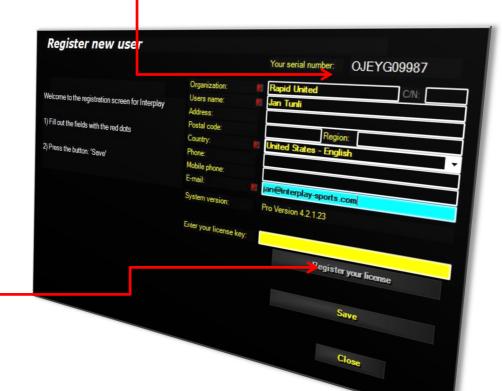


Register and validate

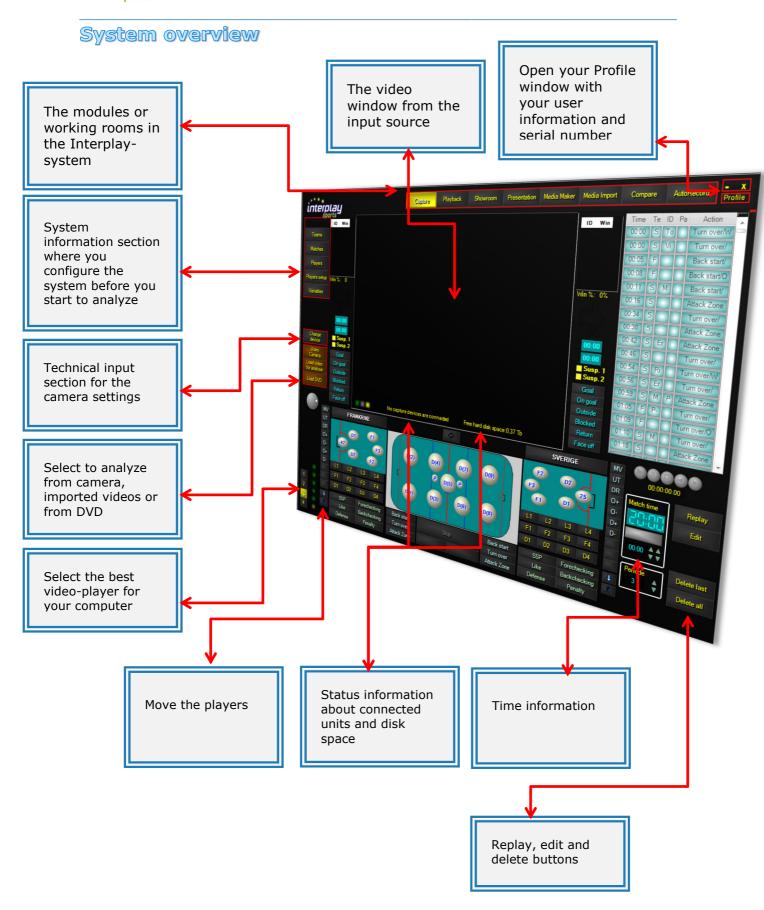
When you start your application for the first time you need to validate your copy.

- 1) To get a license key you need to fill in the required fields (red arrows)
- 2) When you are done press the Save button. Your program will now get a serial number which you will need to get the license key.
- 1) To get the license key you need to send the serial number to Interplay-sports. When you have signed and paid for the program, we will send you the license key to the mail address you have given us.
- 2) When you have received the license key you have to enter the key in the license key field EXACTLY in the same way as you received it in the mail.
- 3) When you are done PRESS the Register license button



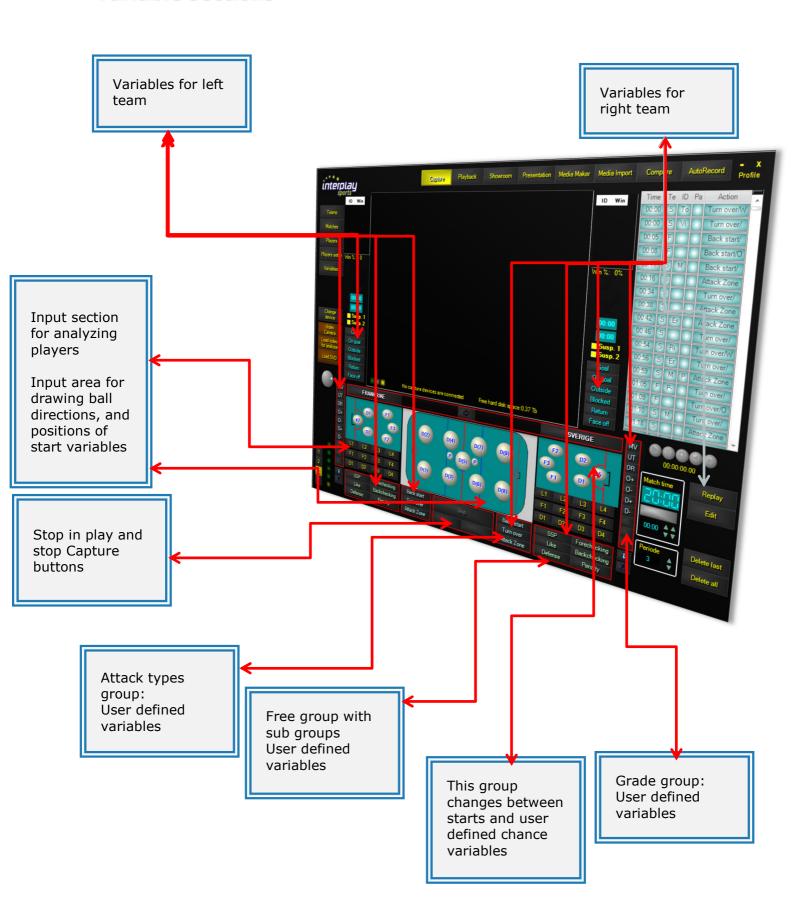








Variable sections



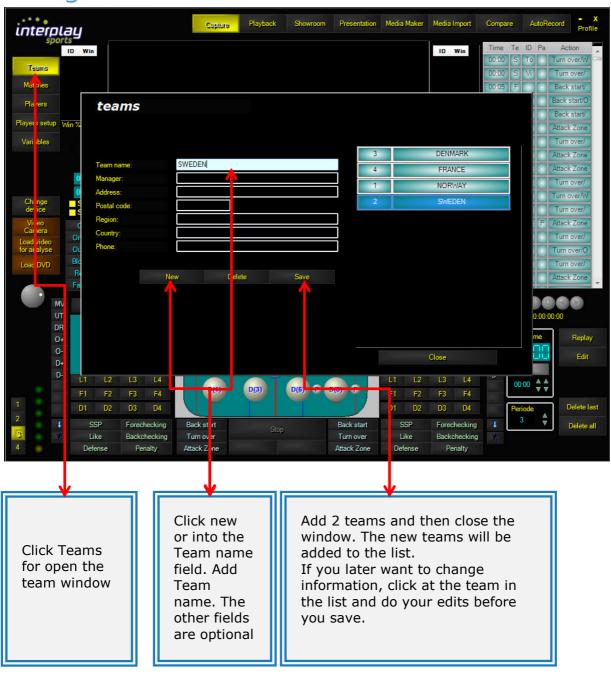


Getting started

There is certain information that must be updated in the system before you can make a video analysis.

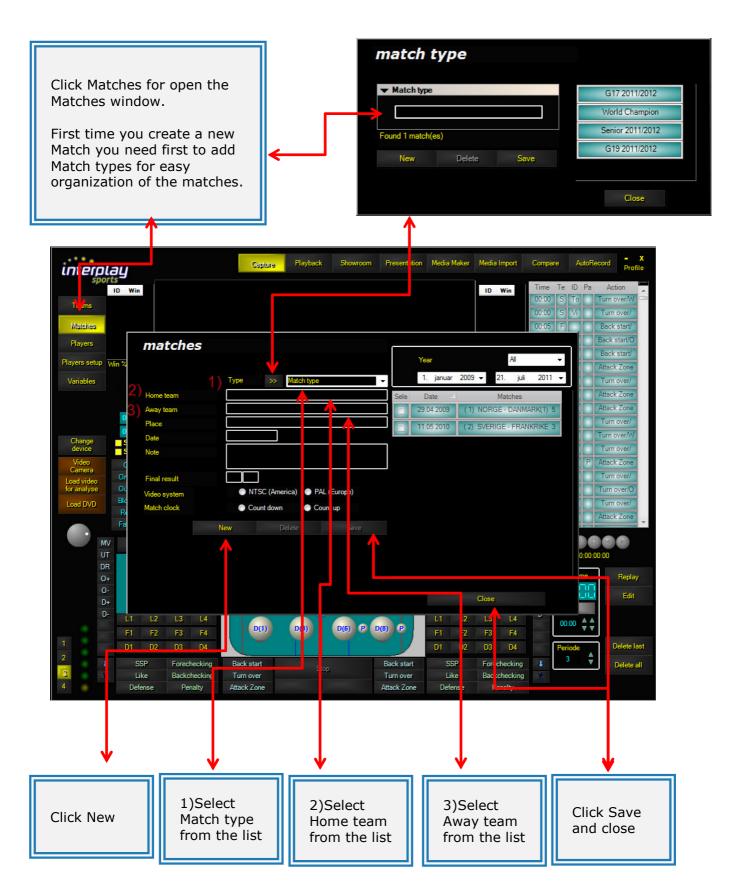
- You have to enter 2 Teams into the system
- You have to update the system with at least one Match
- You have to set your Variables (What do you want to analyze)
- If you want to analyze players you have to tell the system who they are (Players) and you have to configure the line-up for each Match (Players in Match)

Adding teams



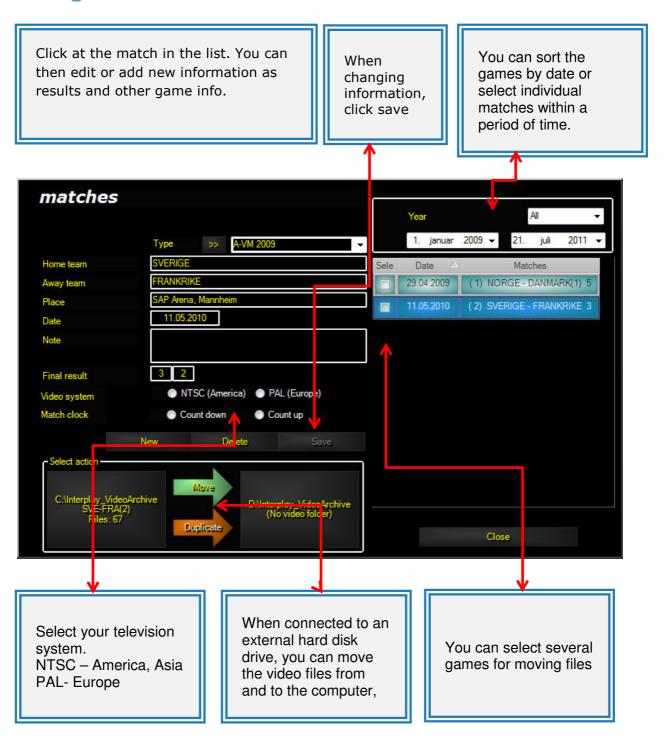


Create a new match

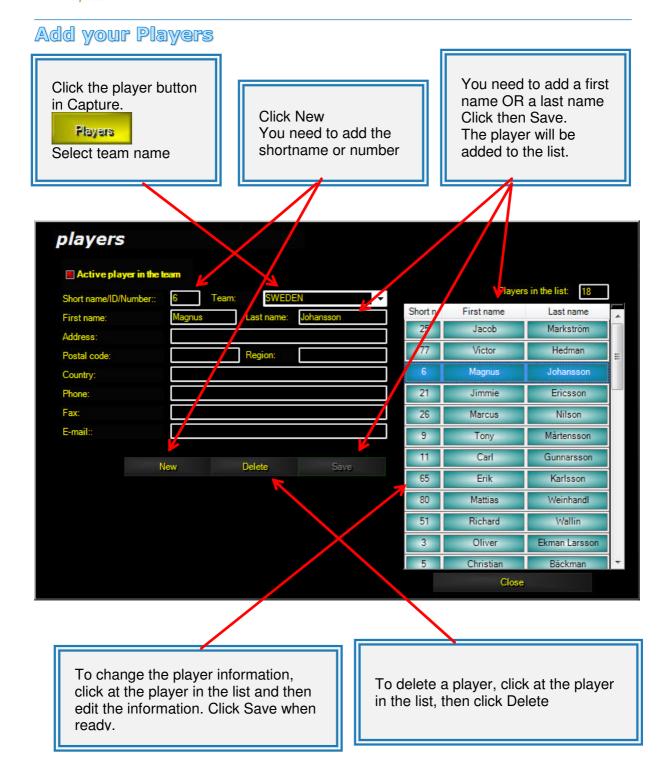




Change match information

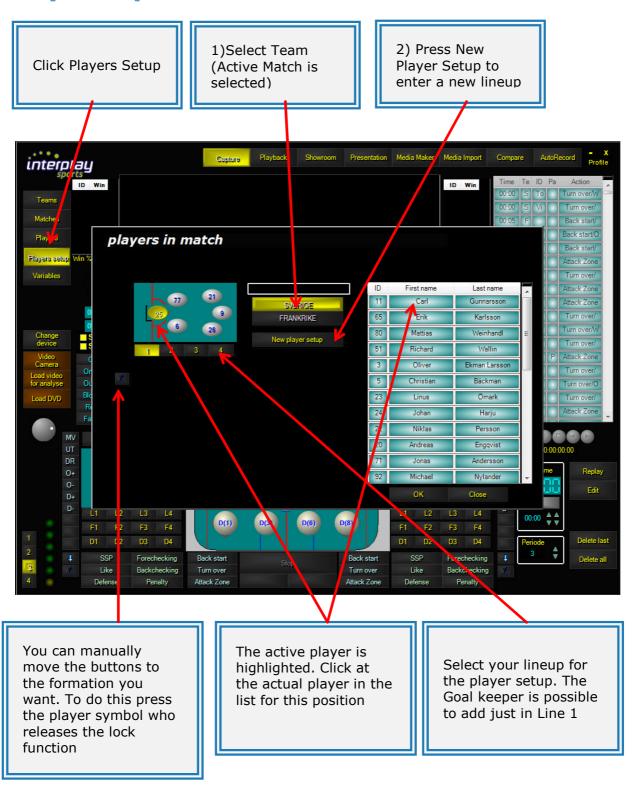








Player setup for the match

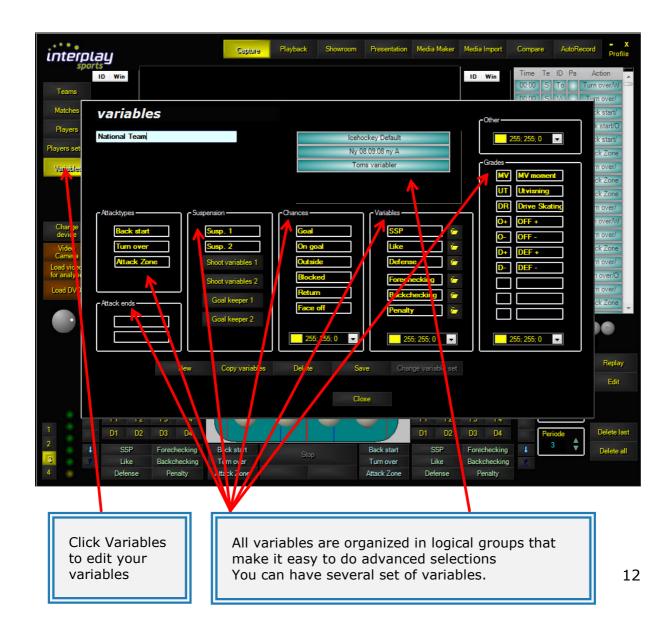




Manage your variable set

Some god advices:

- The variables are where you decide how you want to do your video analysis or what you are looking for in the game.
- In the beginning it is wise to build a variable set with a few variables. It is a lot easier to extend it as you get better.
- The variables are grouped in sections on the screen and placed so it is possible for you to do an analysis in real time, effectively, accurately and with a little bit of training, with a quality that makes your edit and post work to a minimum.
- The ways the variables are grouped and placed are based on feedback and experience from many users.
- It is therefore a good investment for you to spend some time in finding out how you want to organize your variables.
- The default setup is very often the common variables within the sport. Look at the way they are organized and try them out.
- Think how you can group variables in a way for you to make it easy to edit them with more details afterwards. Example, if you want to register shots and would like to split shot into several sub categories, then at least start with the registration of the shot, then select the shot variable for the team you want and mark each shot with the correct sub category. On the following slides you will find a more detailed explanation of the variables and their grouping.





Your variable sets



New-Create a new variable set, click New. This feature will blank out all fields so you create a new set from scratch. Click Save when ready.

to create a new variable set. This feature moves all existing variables into a new variable set. You can then change the variables without making problems for earlier analyzed games. Make the new set to your default set when you are saving.

change variable set when you have created a new game and want to use another variable set that default.

The color for each variable will change the color when draw passes or movements

255; 255; 0

0; 255; 255

Chances–this variable set is for goals and chances. In the figure to left, all goals and chances is in blue. In Capture the variables are placed on both side of the screen. One set for each team.



Your variables



Attack Types-These variables are group variables. When you press these variables all situation are marked with this tag until you release it. It is released when you hit one of the other attack variables or you hit a team or the stop button. Based on feedback these variables are defined as Win, counter and Long. If you do the same for both teams you have a very powerful match analysis here. How do you play the ball when you win, and how do you play when you lose. Just look at the other team if you want to see how you lose...

Attack end-A variable you can define for stop in play. (Offside and free kick are very common) If you want to give feedback to the referee the button can be marked with referee.

Variables-If you press the folder button a new display pops up making it possible for you to enter in an unlimited number of sub-variables. To speed up your capture process use the mother variable when you do the capturing and update this variable with the correct children variable in Playback mode. Example Shot with shot type variables.

Starts-This group of variables starts the play and capture in the analyze mode. They should have the same place in the variable set as defined in the default set.

GRADES- Can be used as any other variable in the system. Very many uses this variable to give specific variables a plus (+) or a minus (-). This makes the selection process and the feedback easier because you add a feedback value to a situation.



Prepare for your first video analysis

Load video Camera Load video for analyse Load DVD You have 4 methods to do your analysis

- Connect a firewire source as camera or Media converter
- Connect a USB Media converter for all video sources
- Import video clips from hard disk cameras or the net
- Analyze from a DVD

Connect to a firewire camera or media converter

It is our recommendation to use Fire wire cables as the connection method to the PC. This method gives very stable stream of video. We recommend PCs that are equipped with a 4 pin fire wire connector. You can also use a fire wire card in PCI or PCMCIA format (for notebooks)

There are two main types of input sources

- · Directly from a digital firewire video camera
- Through a firewire media converter bridge. The bridge is used for all devices having an analogue signal such as old TVs, old video cameras and most of the Video records.

The connection method for a Media converter is

- Signals are going OUT from the video source (TV, Video recorder or Video camera)
- 2) Signals are linked to the IN ports on the Media converter. The media converter supports different contacts (RGB, S-video, fire wire). Look at symbols on the Media converter to make sure they are connected correctly.
- 3) Connect the fire wire cable from the OUT ports of the Media converter to IN fire wire connector on your PC.

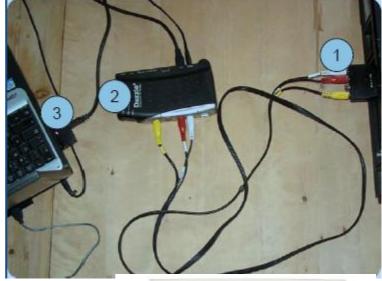
There are different types of Media Converter with Firewire. Canopus

ADVC 110 is a good quality Media converter from Grass Valley.

Another method is to use USB Media converters for connections to video camera without firewire and

other sources with video or television output. USB Media Converters can give some jagging in the video stream when the capture starting, and the video stream is not so stable like firewire connections but can give an alternative to computers without firewire.

The USB converter in the picture is a TerraTec G1. You connect the USB media converter to the AV-out connection in the camera. This is the same connection you connect the camera to a TV set. You can also connect to other sources like TV, VCR, DVD-players etc.









Setup a camera or media converter

Click the button:





Video codec

The system is preconfigured for XviD MPEG4 video compression to minimize your video files. Default data rate is set to 3000. We recommend that you increase it to 6000 if you intend to create videos from the analysis. Then press OK.

No video signals

Make sure the equipment is attached correctly. Close Interplay-sports

Press the Reload button. If the video quality menu does not pop up then unplug and connect your firewire cable to the computer or try to turn the video camera on and off.

Then connect the camera to the computer. This should give a message from the computer that a Digital Video device is found. The mean the OS has recognized the camera. Open Interplay.

Still no video signals Close Interplay. Click the Start button. Click Change AutoPlay settings Play CDs or other media automatically Change too: Ask me every time

Restart then the computer



Setup a USB media converter

Connect the USB Media converter to the TVoutput connection in the camera and to a USB port in your computer.

Most media converters have input for S-VHS or a RCA connection with a yellow pin (for the video) and red and white pin for the audio.



No need for external power

The huge benefit with a USB converter at the field will be that you don't need any power for the converter. The converter gets the power from the computer.

Like a firewire converter you can connect the camera for live analysis or do the analysis after the game.



When you open the Capture screen, you should have this message for known converter types.

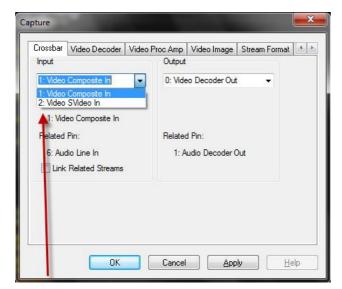
TerraTec media converter is detected

Free hard disk space: 20,23 Gb

Click at the button in Capture:

Load video Camera

Interplay will now search for all sources. When Interplay has found the device, select type of input you are using, S-VHS or RCA (yellow, red, white plugs) SVideo In =S-VHS or Video Composite In = RCA.



You will then been asked about the video quality.

See information at previous page.

If the converter is a new type or unknown for the system, Interplay will open these options for you. You can select your device from the dropdown boxes. All devices connected to the computer will be listed.





Hints before your first video analysis

Make sure your variables are defined. Spend some time in getting familiar with their location on the screen

Start out with few variables. You can build up your variable set later.

Praxis has shown that the most efficient way of making a good video analysis is to analyze the attacking actions for each team. Then it will be easy to find all attacking and defending actions for your team.

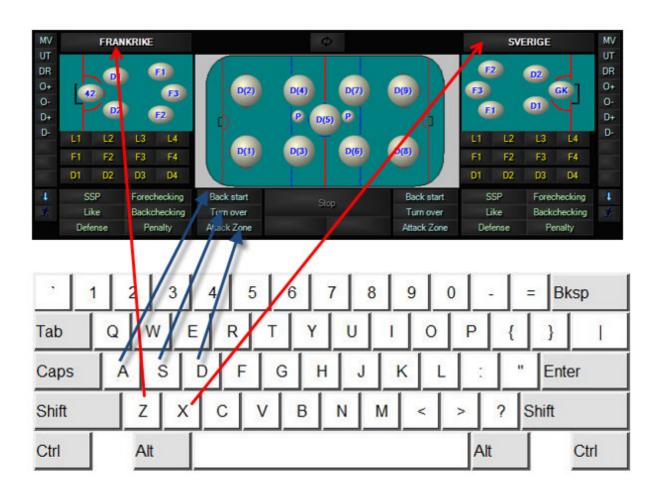
Place the teams correctly on the field, meaning the teams line up should correspond side they are playing in the first and second half. Use the arrow button placed between the teams to change side

Do only the player analysis on your own team in the beginning. Click at the player when they are involved in the play and combine a pass or with grade-, chance- or freevariables.

Your will do must of the analysis in Capture mode with some praxis, but in the beginning you can correct or add more information in the Playback-screen. It is very easy to edit the overall variable with the correct sub-variable in Playback mode

Remember to use the hot-key functions. Consider to use tag teams and attack types with the hot-keys, and the rest with the mouse. (Left and right hand)

Learn these fixed hot keys:

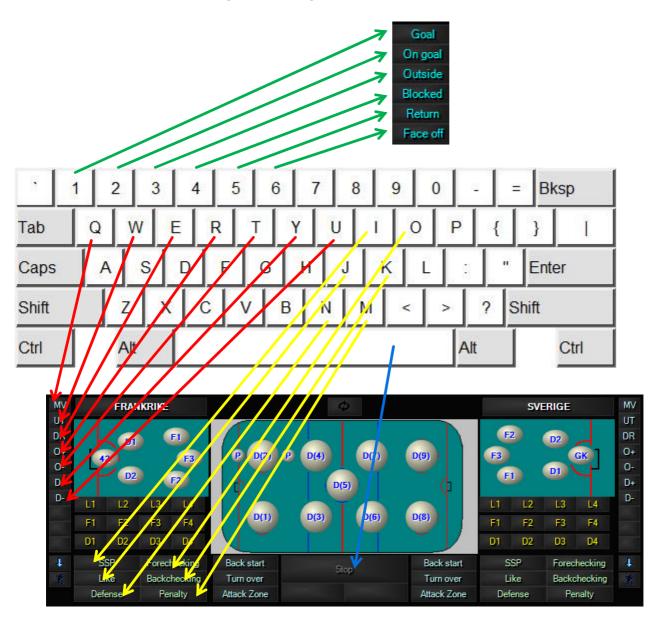


The buttons Z and X will change the possession for the attacking team. The buttons A, S and D will change the attack type for attacking team.



Other hot keys:

Remark: The Goal and Shot variables should not be changed because the Goal buttons count the goals in the game. The shot buttons do not count.



Press the Space key when stop in the play. Then you will open the start variables for next attack start.

Press the Space key will stop the capturing. This means you will save the active play in the game so you don't use hard disk space unnecessary for all pauses. This will also make captured files shorter and much easier for the computer to handle.

We recommend in the beginning that you use the mouse for other variables.



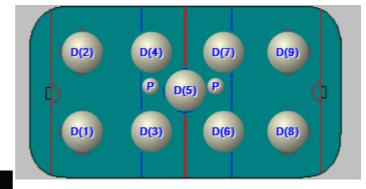
Your first video analysis

1)

Start a new analyze sequence with clicking at the actual Face off button. This will also

start the capture process when connected to camera or a media converter.

Then click at the team that's won the Face off with the mouse or your Z or X key at your keyboard.



FRANKRIKE





Both teams have a set of the attack types, grades, free and chance variables. When you click one of these buttons for attacking team, you also can start the capture and make the attacking team button active.



2)

Use the Short keys Z=left team and X=right team when possession change.

Use the A, S and D keys to tell the system about what attack types in use.

Click at the players, draw passes and click other variables when situations occur.

3)

Press Space button when the referee stop the play. Then you start new attack with click at one of the team. Remember to press double space as often you can to make the files smaller.

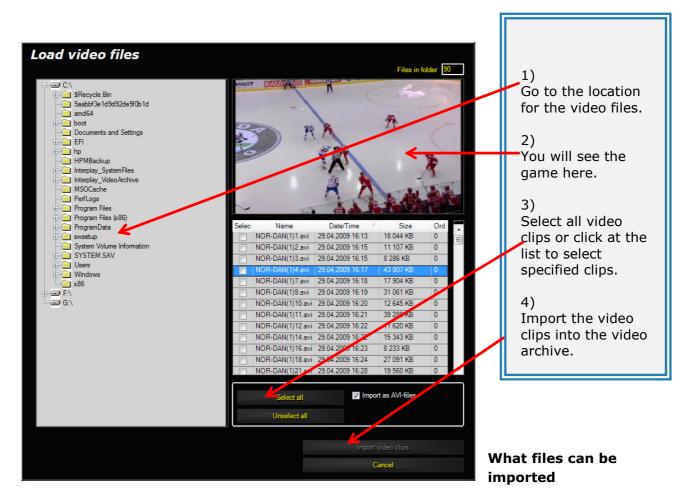




Analysis with imported video clips

Load video for analyse

Click at the button:



Video files have a lot of different formats, qualities, codecs and types. Some of High definition (HD) files are very huge and other can be impossible to play in your computer

Anyway, you don't want to fill up your computer with huge HD-files even they have very good quality. Good quality means large video files. In video analysis you need to find a quality that's is good enough but also give you space for having a number of games in your analyze computer. AVI-files are the most common format. AVI is a container that keeps different mpeg formats with different codec and quality. Several of the mpeg formats can rename the extension and be played as an ordinary AVI-file.

If you get your video files from a camera, check out the possibility for them to import them into Interplay. Alternative use a software converter and convert them to a common AVI format. Find a solution at www.interplay-sports.com

Perform your analysis as you were connected to video camera. If you have imported several video files, click the button for next video file:





Analysis from a DVD

There are two types of DVDs.

- 1) Data-DVD were you can store all kinds of files, backups, exported analyzes from Interplay and other files. This Data-DVD can also contain video clips you can import with the button "Load video for analysis". You can't use Data-DVDs in this feature.
- 2) Video-DVD contains a file system that makes the DVD possible to play in DVD-players or in your DVD-player in the computer. Video-DVDs can be used to analyze from DVD.

DVD´s contain a lot of different codecs, rights and methods. Before you do a complete analyze from a match, do a 5 minutes analyze test of the DVD. You need to be sure you can use the DVD.

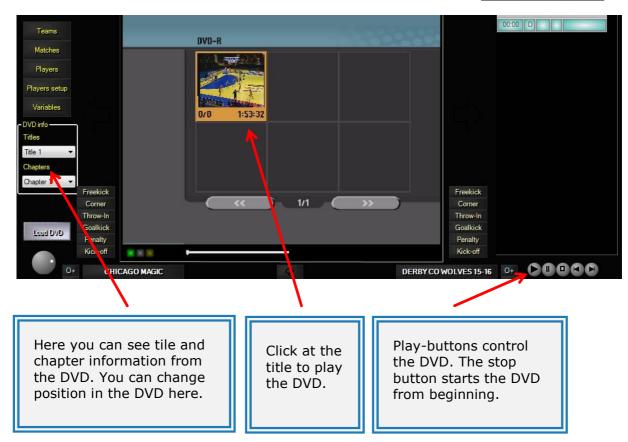
Click the button:



If you got this message, you probably have inserted a Data-DVD:

If video-DVD the DVD will open up and you got this screen:





Perform your analysis as you were connected to video camera.

When you have finished the analysis from the DVD, the video clips are still on the DVD. The next step will be to get out video clips from the parts of the DVD that is analyzed.



Rip the DVD

After you have done your analysis, the next process is to rip the DVD so you are not depending to use the DVD in the future.

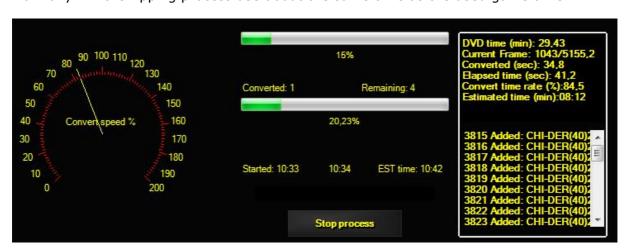
The convert button will be visible after your first stop in the play. When you are ready with the analysis, press the button:

This opens the panel for the DVD ripper where you can change the settings. We recommend using the default codecs if you are not an experienced user.

Click at the button Start convert:



Normally will the ripping process use about the same time as the used game time.



The quality is very much depending of the compress rate that is used in the DVD. The DVD should contain 3 Titles for the 3 periods to have just the play of the game.

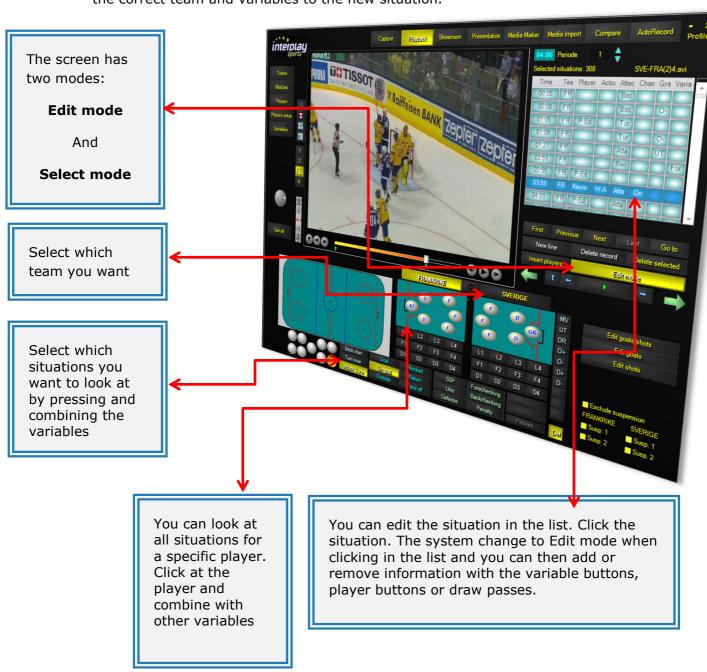
If the DVD contains just one title with all pauses and other filming in front or after the game then the DVD-burning software reduce the quality of the video files so they can fit the available space in the DVD.

Convert



Playback - overview

- Select team you want to edit by pressing the team button
- Press the See all button (or press the S-key) and make your selection again if the result is not what you expected
- Remember that when the edit button is shown it is very easy to correct and change the value of any record that is highlighted. This is done to make the edit function effective and up to speed. So if you do not want to edit just view, use the Showroom mode.
- If you have missed a situation it is very easy to add it to the video analyze. Just find the situation on the video, and press the Insert button. Make sure you link the correct team and variables to the new situation.





Playback - edit the game

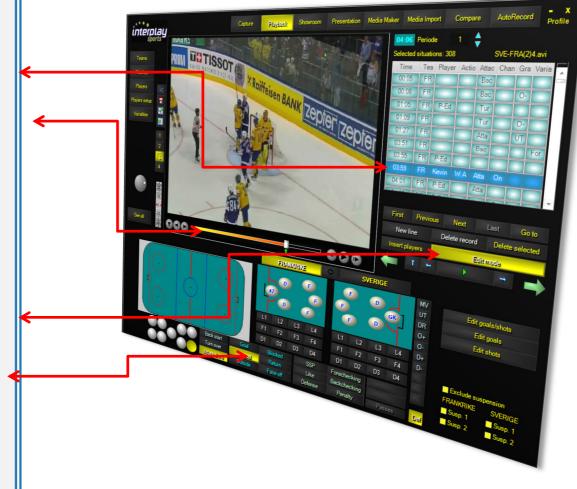
Click in the list on the situation you want to edit.

The click opens the video clip and the situation will be played in the video player. The situation length is default 12 seconds, and starts with the left green arrow and stop with the right arrow.

The system changes to Edit Mode.

All situations that are registered on the situation will be highlighted in yellow.

You are now ready to edit



Change in and out point of the situation by pulling the arrows to the new positions or use the in/out buttons. You can also use the I-key and the O-key at your keyboard.

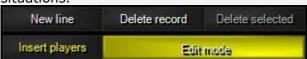


Change player or variables by clicking and highlighting other variables. Draw or change passes.

Back start	Goal	Biocked		
Turn over	On goal	Return		
Attack Zone	Outside	Face off		

All changes will be saved when they are done.

You can add new situations, delete others or add new playing situations.



Remember to change from the Edit Selection mode when you have finished editing the situation.

Some short keys:

Z=one frame backward X=one frame forward C=one second backward

V=go to start point

B=one second forward N=next situation

N=Hext Situation

M=slow motion

F=full screen

Esc=back

S=See all



Showroom - overview

- This is the screen where you can create groups of video files for the player meetings or perhaps scouting your next opponent.
- You can combine all variables and variables group, players or passes in your selections.
- You will find all your groups and selections in the Presentation screen.
- Short keys as shown in Playback also works in Showroom

Select one of the teams

Combine variables from the same or different variables groups, players or passes.

You can save groups based on the selection you made, such as goals and shot in a single group, and again give a separate name for the group.

You can highlight situations in the selection you made, and then archive the archive group with an optional name.





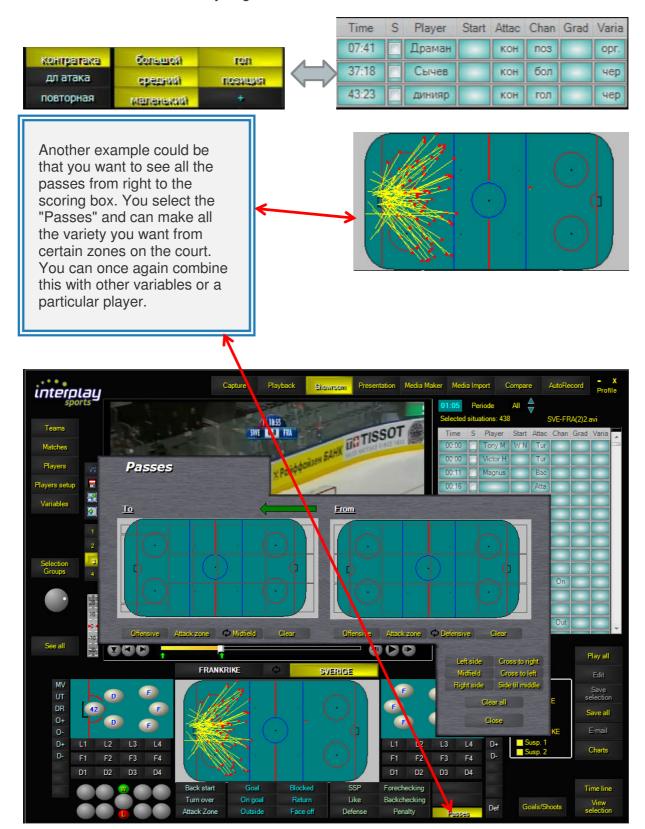


Showroom - select situations and passes

The large variation possibilities of queries are unique in Interplay and you need not worry of complex queries to the database to get what you want.

You need not be a computer expert to make your selection. Interplay has predefined groups for specific actions, but you decide all your variables within each group that you want.

For example, to see all the goals and chances in all counter attacks then you only press the combination of variables and you get instant results.





Showroom - get statistical information

Interplay-sports can also obtain statistical data from your analyzed games with ease. The statistical data can then be used to look at the interesting parts of the match.

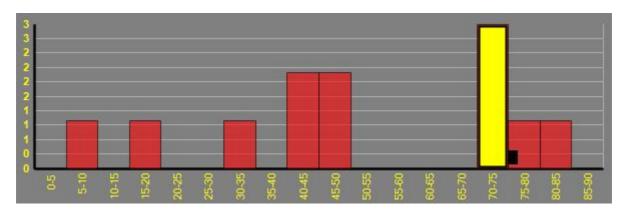
For example, is interested in seeing the goals and opportunities, combined with attack type defined as "Transition", see the statistical time-when this happened in the match.

Back start	Goal	Blocked
Turn over	On goal	Return
Attack Zone	Outside	Face off

Then click on the button "Time line".



You will then see when the situations, based on your selection, happened in the match for 5-minute periods. You can then select a time period to examine video footage from the game.



Another example could be that you want to watch the

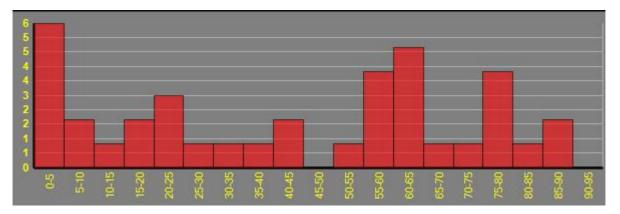


goal keepers' involvements in the match and when it happened. This can of course also combine with other variables.

You choose your player

and get instant all situations for the player to the list. If you again click on "Time Line" then you can see when it happened.

Time	S	Player	Start	Attac	Chan	Grad	Varia
02:00		Jacob		Tur		MV	
02:54		Jacob		Tur			
08:28		Jacob		Bac			
18:11		Jacob	Def	Tur		MV	
27:26		Jacob		Tur		MV	
32:37		Jacob	Def			MV	
41:08		Jacob	Def	Bac		MV	
41:09		Jacob		Atta		MV	
44:08		Jacob	Def	Bac		MV	





Showroom - edit situations

You can adjust the start and stop points in Showroom as described earlier in Playback.

All tagged situations have the opportunity to be associated with several variables that provide great flexibility for you.

You have therefore also in the Showroom the opportunity to add more variables or correcting errors in the analysis.

Showroom has an edit function for the current situation you have clicked on the list.

This will enable the "Edit" button that will open the Edit window. All variables connected to the situation are highlighted with yellow and green colors.

Click at the Edit button:



Player Attac Chan Grad Varia Erik Kar Atta 01:33 Bac Bac Christia Niklas P 01:39 WA 01:43 Oliver E 01:52 Linus Ö Atta MV 02:00 Jacob Tur 02:04 Niklas P Linus Ö 0-02:11 02:15 Tur Tony M 02:23 Tur 02:24 Christia Tur 02:28 Jimmie 02:38 Victor H Atta

This will open the Edit window:



Click at the teams, players or variables for adding or removing information. You can also add passes or change a pass to the situations.

The list in the Showroom will be updated with the new information when you click OK.

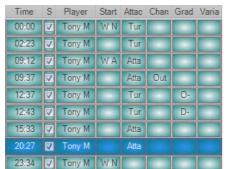
If you click Cancel then all changes will be removed and the original information will remain.



Showroom - send and easy create Videos for e-mail

Showroom has a simple function that allows you to easily put together a group of video situations and either sends it by e-mail or archive the video in your own computer for attach it and sending the file with your standard e-mail program.

First, highlight and check mark the situations that you want to put together a video file.

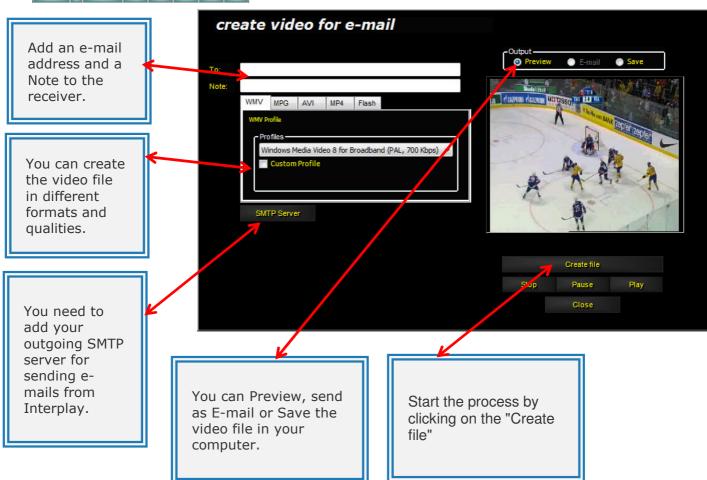


Then click the button:



The button is not enabled if you not have selected any situations.

This will open this window:



Hint: Some e-mail programs do not allow other programs in the computer uses the SMTP server without specifying that the program sends the default e-mail program.

In other cases, you must specify in the protection program in the machine that Interplay will send e-mail.

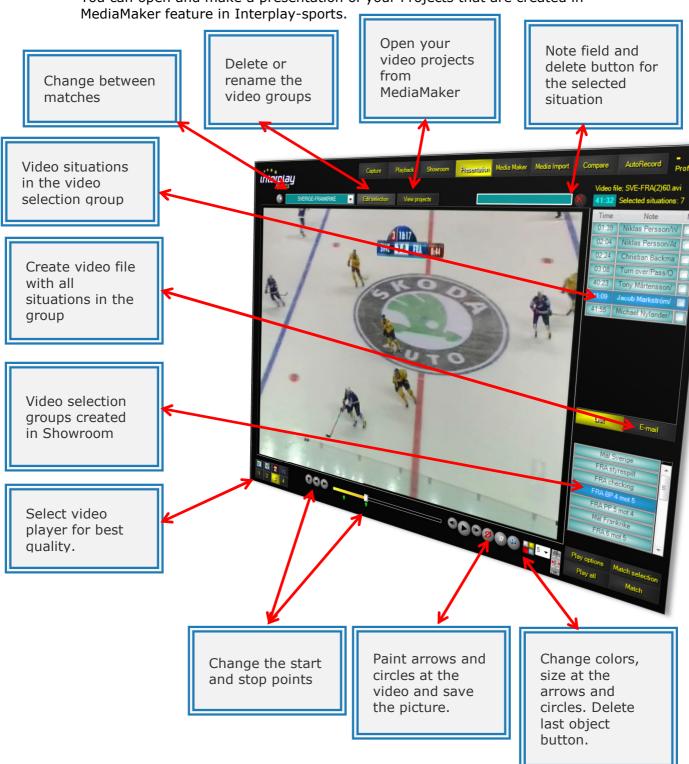
The easiest method for you is to Save the video files and then send them using your default e-mail program.



Presentation - overview

- Nothing is shown in this screen unless you have saved a Selection in Showroom.
- You can use the same short cuts for playing the video as in Playback
- You can paint arrows and circles in the video files and save the presentation as a picture.
- You can adjust the start and stop points in Presentation as described in Playback.
- Match selection allow you to make selections from several games.
- You can open and make a presentation of your Projects that are created in

 Media Maker feature in Interplay courts.





Presentation - use arrows and circles in the presentation

Presentation is the screen where you present your analysis in player meetings or internal coaching meetings.

Features screen allows you to create educational presentations with the use of pictures, arrows and circles in the presentation to strengthen or emphasize certain situations.

You stop the playback of the video when you want to use the drawing tools.



Create straight and curved lines



Mark areas on the field or highlight situations and players



Delete the last drawn object



Choose the color of the drawn object



Change the size of the arrows

To draw curved lines, then release the right mouse button when you draw in the point you start to draw the curve. Click then the right mouse button again at the same point and then draw in a different direction. This will create the curve.

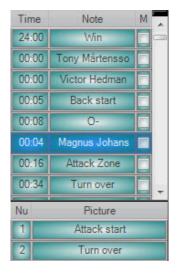
Save picture To save your drawings with this button is available when you start to draw.



Give the picture a name that describe the situation and Save the picture.

You may also save the image somewhere else to use the image in other contexts.

Close the save picture feature when finished.





You will find the images stored in a separate list and also just under the position slider

You click on the list or on the button that marks the position of the image. If no images associated with video situation so you can access the photo archive by clicking this button:





Presentation - Play the match

This function plays the game from start to finish and shows all registered situations while the match is played.

You can jump as you will in the match to other situations or times

The function has an opportunity to select 4 different situations as separate variables. When you look at the game, you can tag situations you want to examine later. These can later be put into the ordinary analyze through the analysis functions you have in the Playback screen.

Click at this button to view the game:

Match





Presentation - Using Match selection

This feature allows you to quickly choose from the analysis of situations when you want to show situations that have not been pre-filed. You can choose from active match situations, but also bring situations from all or selected games for certain teams.

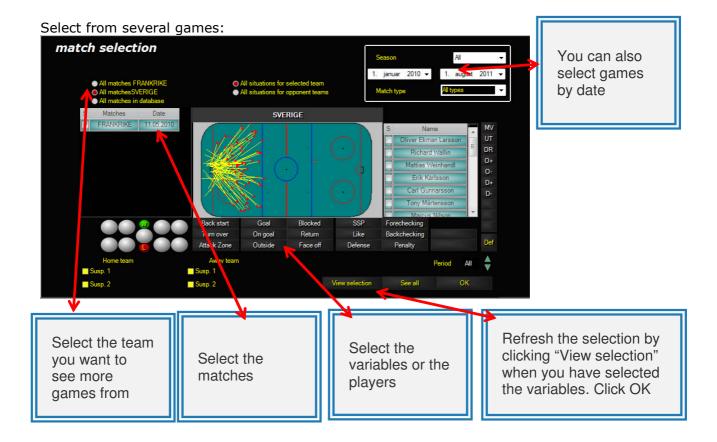
Click this button:

Match selection

This feature helps you to select from the active Match the situations you want to see. You do this the same way as you do in Showroom by selecting team and any variable combination. The selections



you do are shown in the record table. Close the Match selection form by pressing OK and play your selection(s)



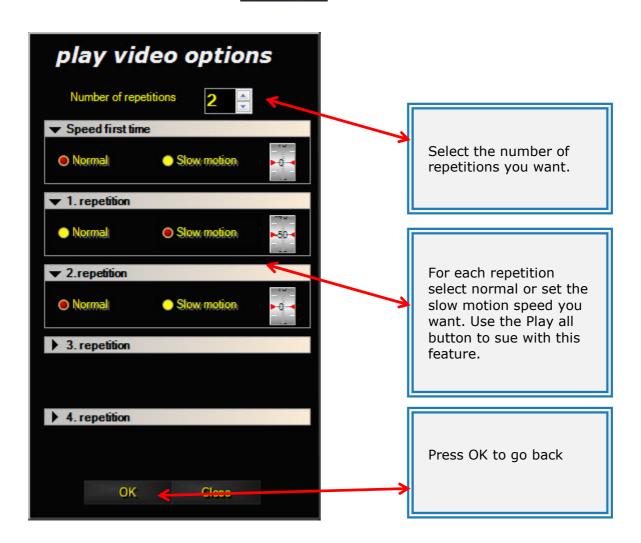


Presentation - Play video options

You can add a replay option to the video clips you present in Presentation mode and you can add different slow motion speeds to the clip.

Click the button:





Once you have selected the desired settings then click the play button to watch selected video situations.

Play all

Click at this button:

The purpose of this feature is that a repetitive playback with slow motion functions can give a presentation opportunity to see more detail than just a simple playback.

The feature also makes it easy for you to start a repetitive playback of several situations in a selection group or other situations in the game.

You can always temporary stop playback by clicking the video image, respectively, stops or starts playing. You can also use the space key in the keyboard to stop or start the video.

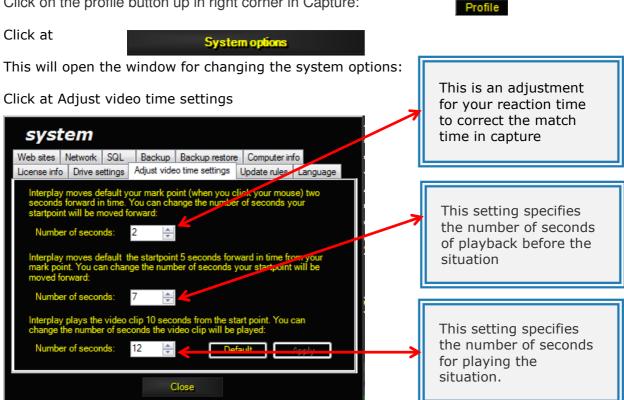


Hints - Change default start and stop points

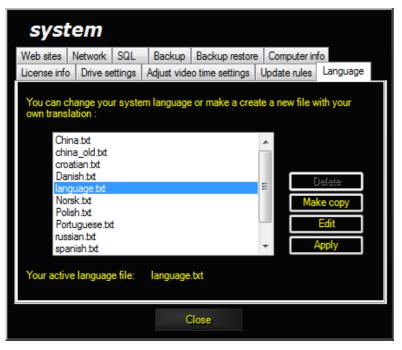
Interplay-sports has a default setting to mark the start (in) and stop (out) point by playing a video situation.

This setting can be changed as desired.

Click on the profile button up in right corner in Capture:



Hints - Change language



English is default language in Interplay-sports.

Interplay-sports can bring language modules for most modules and messages.

The user can also change to their own words and expressions used in the language module.

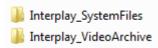
It is also easy to create a separate language module by copying from the English and then translate into your language.

Click Apply when changing to another language.



Hints - Update your system

When you upgrade Interplay-sports to a newer version, this will not affect your analyzed data. All your data will remain in these 2 folders in C



Uninstall your old version before installing a new version.

Hints - Move your information to a newer computer

- 1) Move the Interplay-sports system folders to the new machine
 - Interplay_SystemFiles
 Interplay_VideoArchive
- 2) Install the latest version of Interplay from our website
- 3) Send the serial number from the new installation to Interplay-sports to get the new license number.

Hints - Use external hard disk for your video clips

Interplay-sports will scan all available hard drives for the folder name Interplay_VideoArchive. This directory contains videos from your analyzed games organized in game directories.

If you move your old games to an external hard drive:

- 1) Create a new directory with the name Interplay_VideoArchive at the root in the HD.
- 2) Move the game folders with your old games to the new Interplay_VideoArchive
- 3) The directory Interplay_SystemFiles must be located in the c drive, but remember to back up this folder regularly to the external hard drive