



VIDEO REPLAY MANUAL

Version: 1.1

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CHANGELOG

Version	Cause	Responsible	Date
1.0	Initial version	Daniel Silva	02/03/2022
1.0.1	FIE requirements	Darwin Cordero	04/03/2022
1.1	FIE mode	Juliana pineda	22/12/2022

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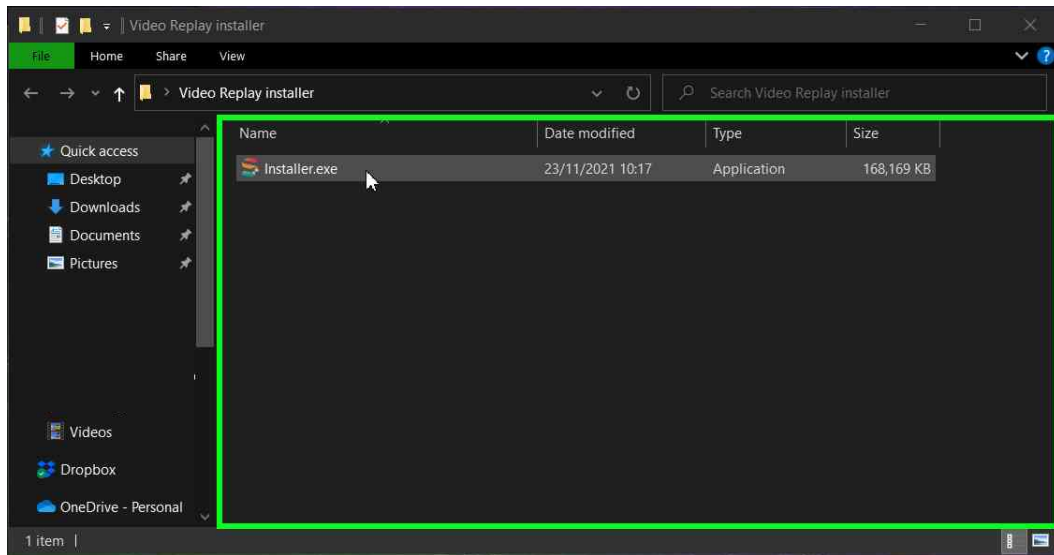
System Requirements

Minimum	
operating System	Windows 10
CPU	Intel Core i5-7xx
RAM	8 GB @1333MHz
Free Space	100 GB
ROM Type	SSD SATA
GPU	UHD Intel 630

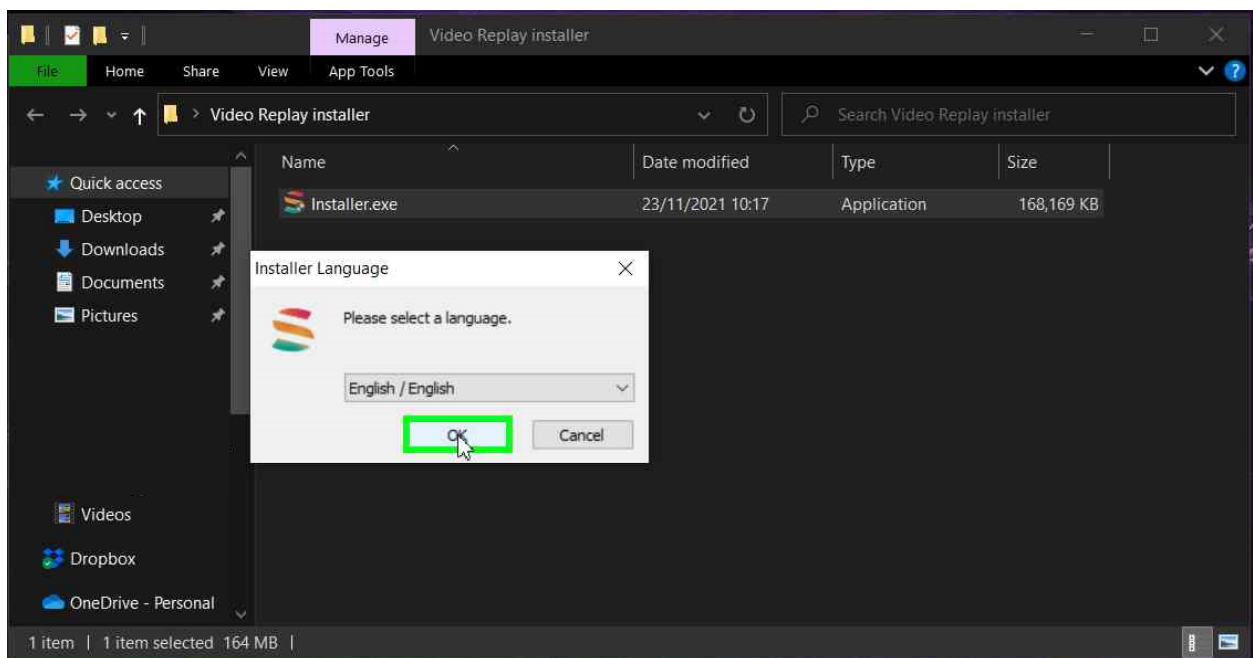
Recommended	
Operating System	Windows 10
CPU	Intel Core i7-10xx or higher
RAM	12 GB
Free Space	300 GB or higher
ROM	M.2
GPU	Intel Iris Xe or higher

Software Installation

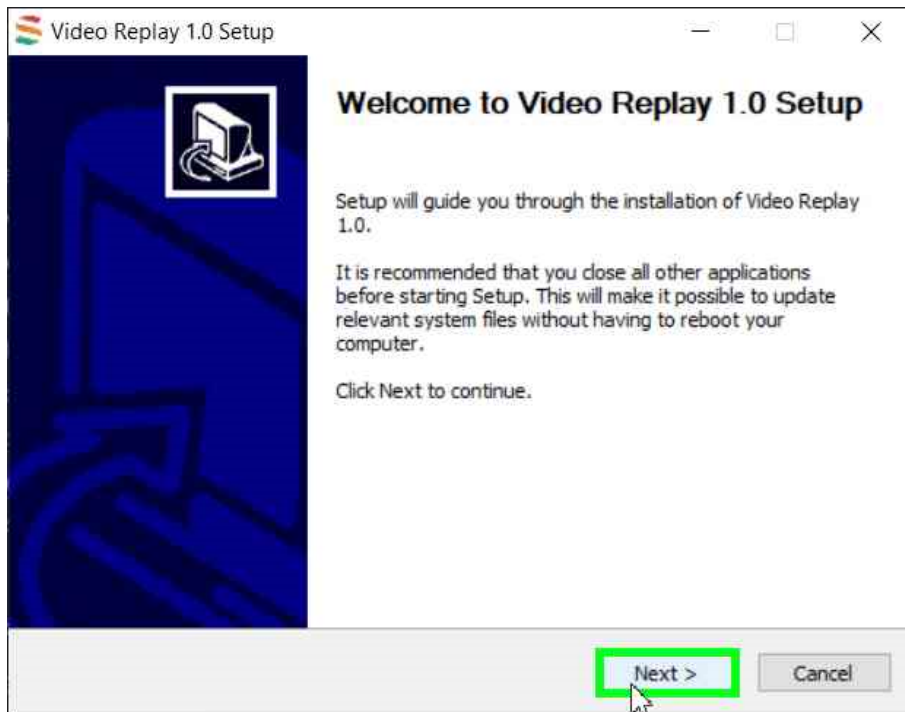
1. Click "installer.exe" to start the installation.



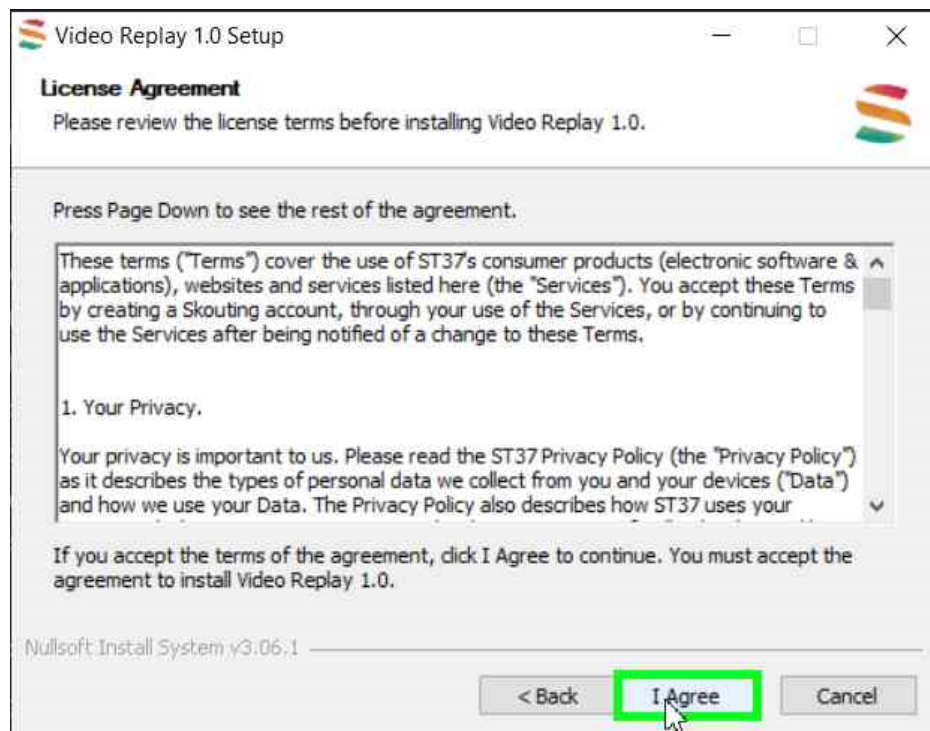
2. Choose your preferred language for the installation process and click "OK".



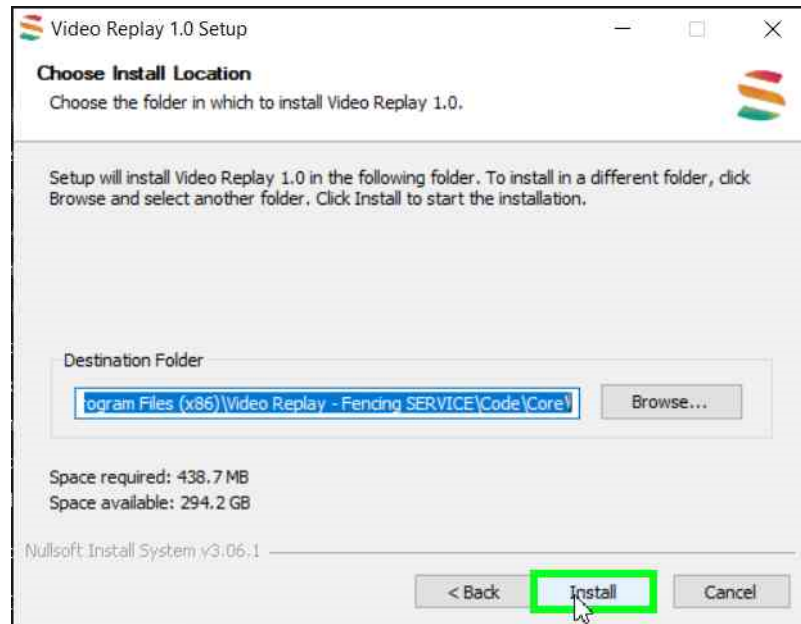
3. Follow the instructions and click "Next >".



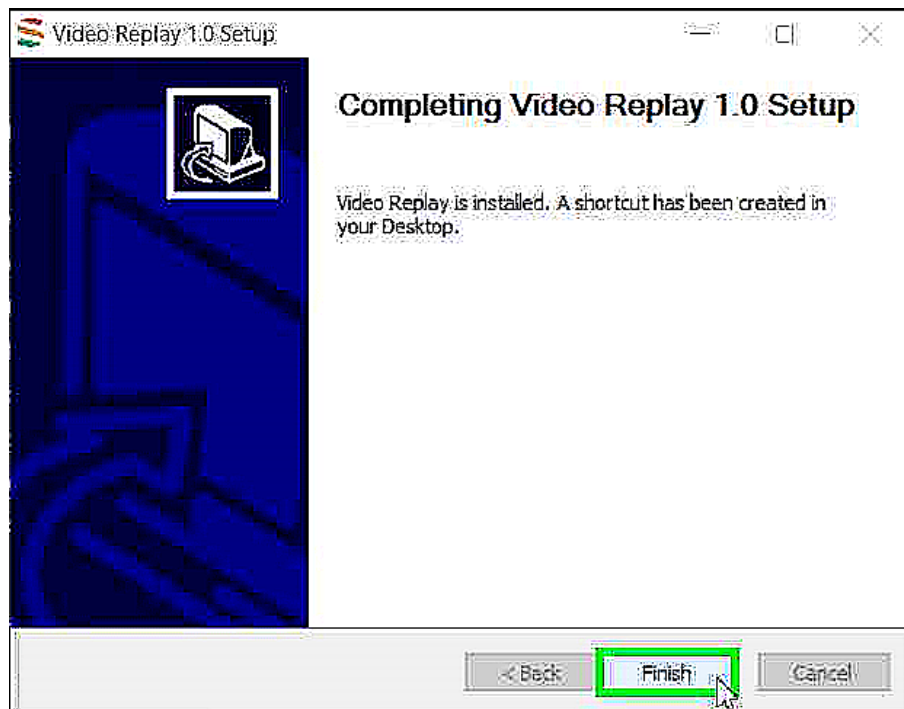
4. Please read the Terms and Conditions carefully and click "I Agree".



5. Choose a destination folder to install the software and click "Install".



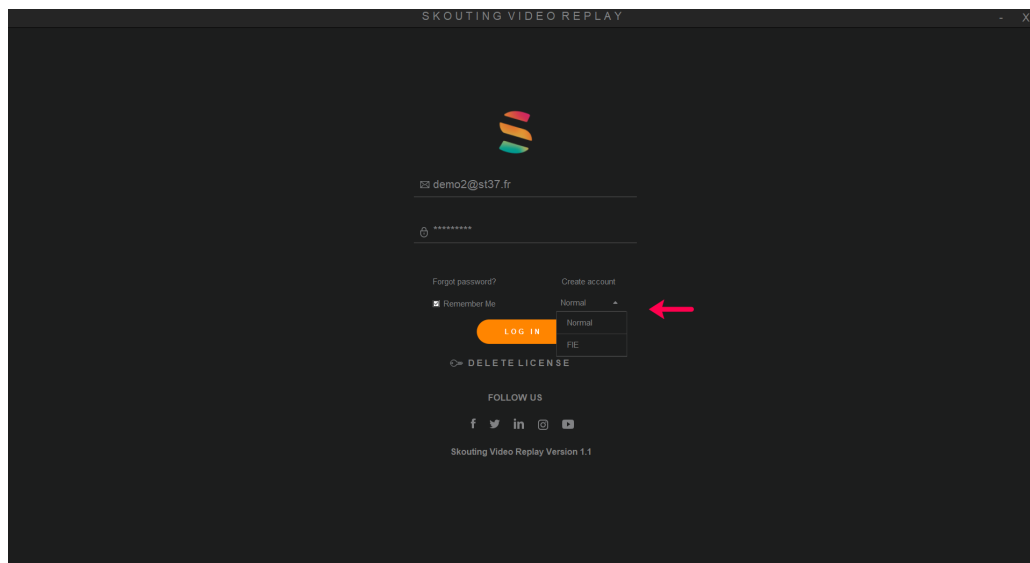
6. Wait until the software is installed and click "Next".



You will now see an icon on your desktop called "Skouting Video Replay".

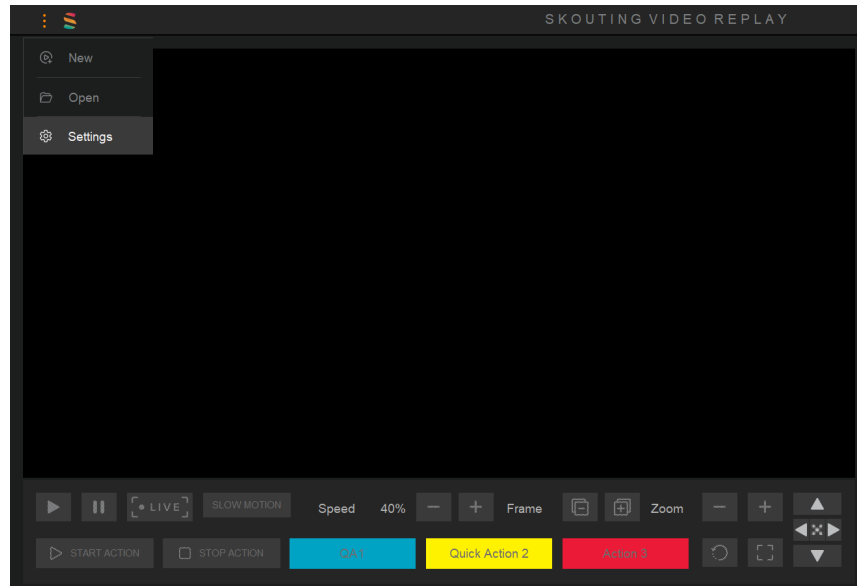
Initialize the software

1. must be registered on our user page "<https://skouting.st37.fr/>"
2. Double click on the shortcut called "Skouting Video Replay"
3. Paste your license below and click "Continue"
4. Enter your email and password and click "Login".
5. Click on the box "Remember me" to save the Email and Password.
6. Before logging in click on the box below "create account" and choose the mode in which you want to work FIE mode or Normal mode. (image)
7. Note: If you have entered your license incorrectly, you can click "Remove License" and it will take you to the previous window. You also have a "Forgot your password?" and a "Create Account" button if needed.
8. The language is originally set to English but you can change it to Spanish or French if you wish by clicking "EN" at the top right of the screen.

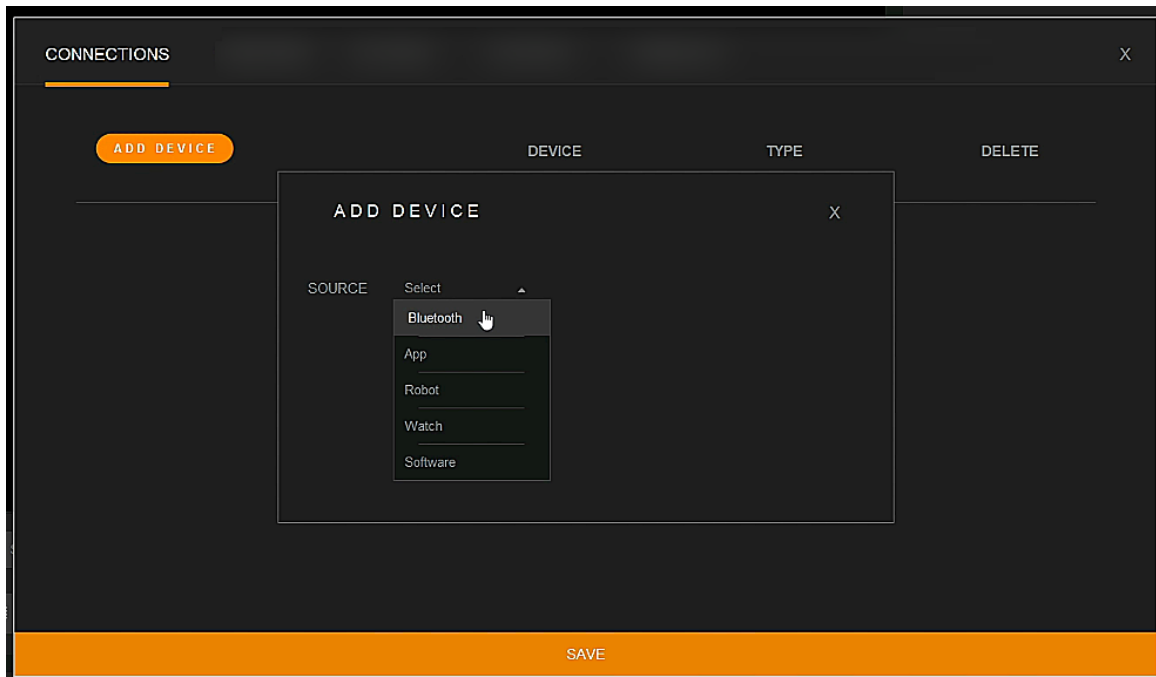


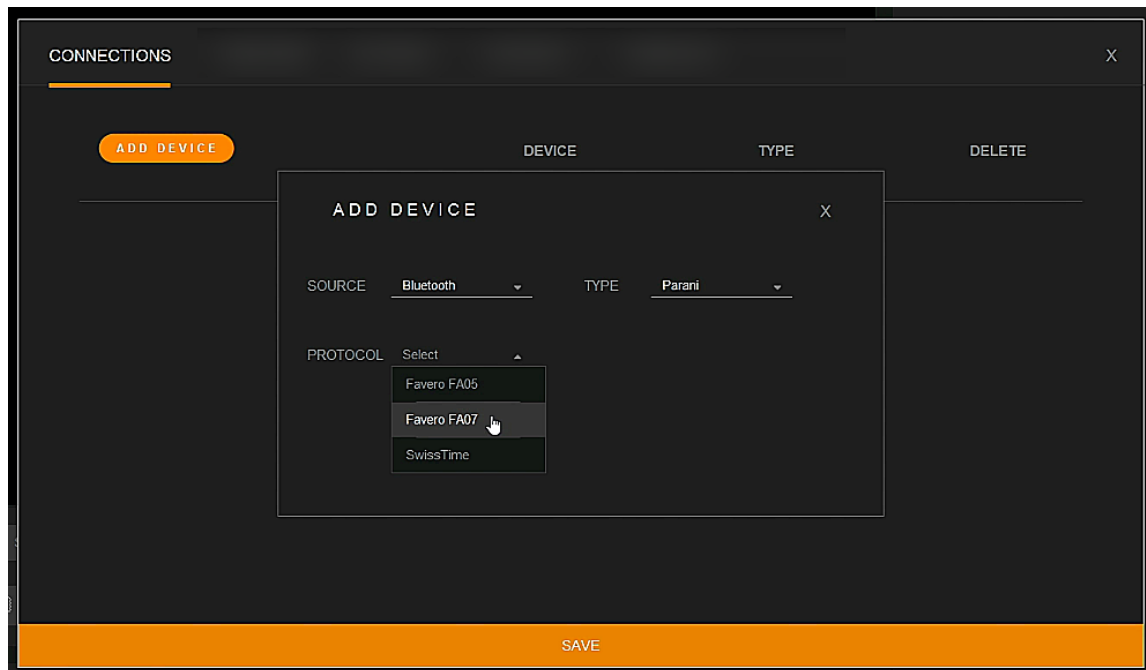
Initial SW settings

1. Go to the upper left menu and click on "Settings".

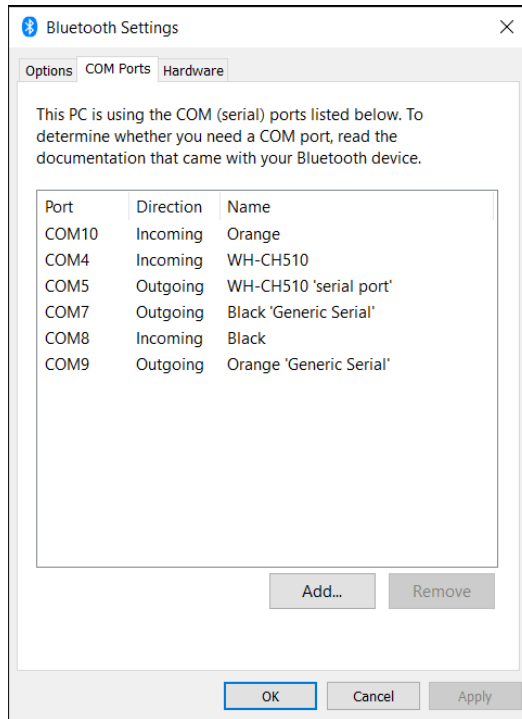


2. Select connection type.

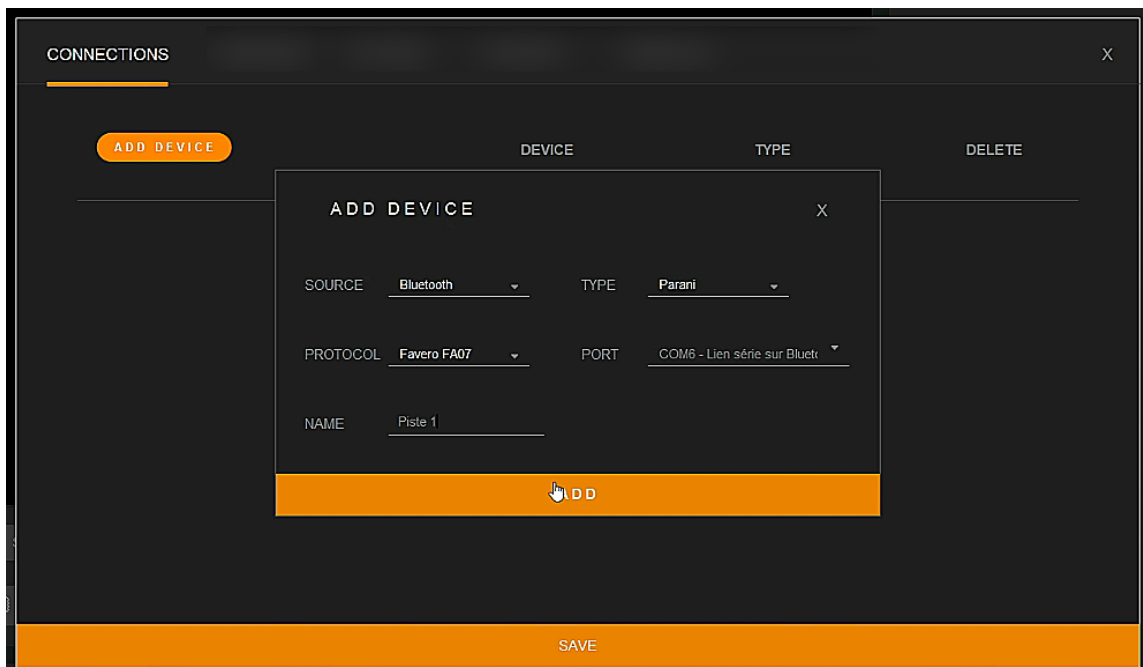




3. Verify the Outgoing COM port of the bluetooth device through which the Software will communicate with the Score Machine.



- Once the appropriate configuration has been selected, click on “Add”.



- In the “VideoRef” option you can configure playback parameters that best suit your convenience. You can leave these default values as they have been tested

by the ST37 team for optimal performance.

The screenshot shows a 'VIDEO REF' window with a 'PLAYBACK' section. It contains several input fields for timing and playback settings. The values are as follows:

Setting	Value
TIME BEFORE HIT (ms)	5000
TIME BEFORE HIT SLOW (ms)	4000
TIME AFTER HIT (ms)	3000
TIME AFTER HIT SLOW (ms)	2000
SLOW MOTION RATE	0.4
TOTAL RECORDER + PLAYBACK DELAY (ms)	0
VIDEO DELAY (ms)	2900
SHOW LIVE RECORDING	ON
NUMBER OF REPLAYS	1
MUTE MODE	Never mute

A 'SAVE' button is located at the bottom of the window.

6. Should be select the weapon that you will be use (Epee, Foil, Sabre).

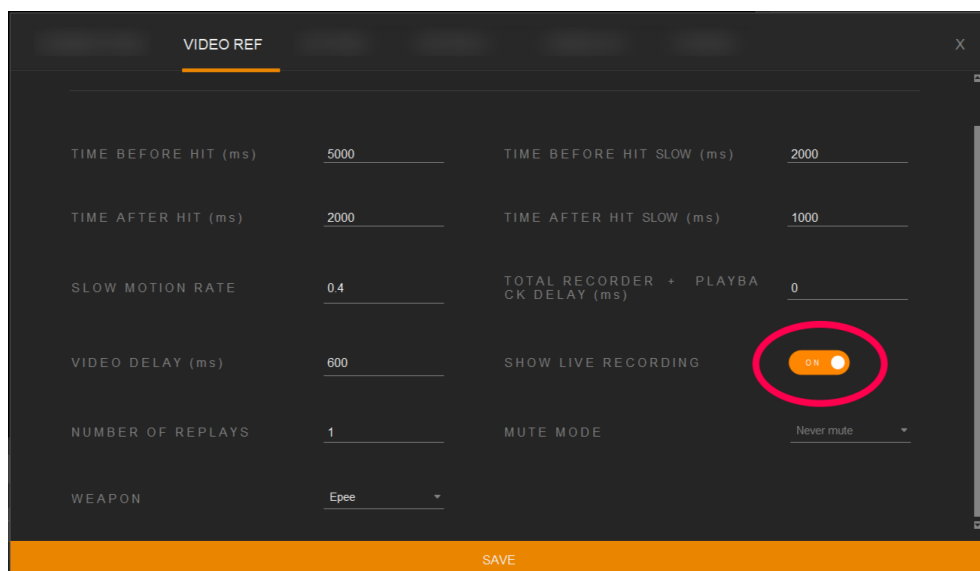
This screenshot shows the 'VIDEO REF' window with the 'WEAPON' dropdown menu open. A red arrow points to the dropdown list, which contains the following options:

- Epee
- Foil
- Sabre

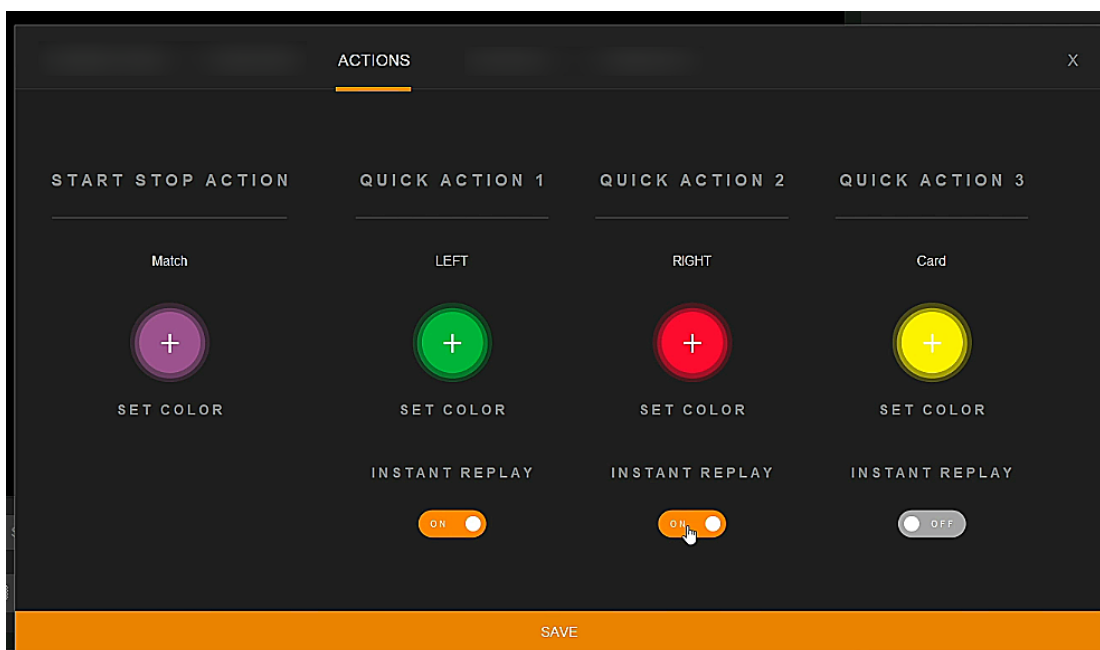
The other settings in the window are: TIME AFTER HIT (ms) = 2000, TIME AFTER HIT SLOW (ms) = 1000, SLOW MOTION RATE = 0.4, TOTAL RECORDER + PLAYBACK DELAY (ms) = 0, VIDEO DELAY (ms) = 600, NUMBER OF REPLAYS = 1, MUTE MODE = Never mute, and SHOW LIVE RECORDING is currently OFF.

7. Set "Show live recording" according to needs:

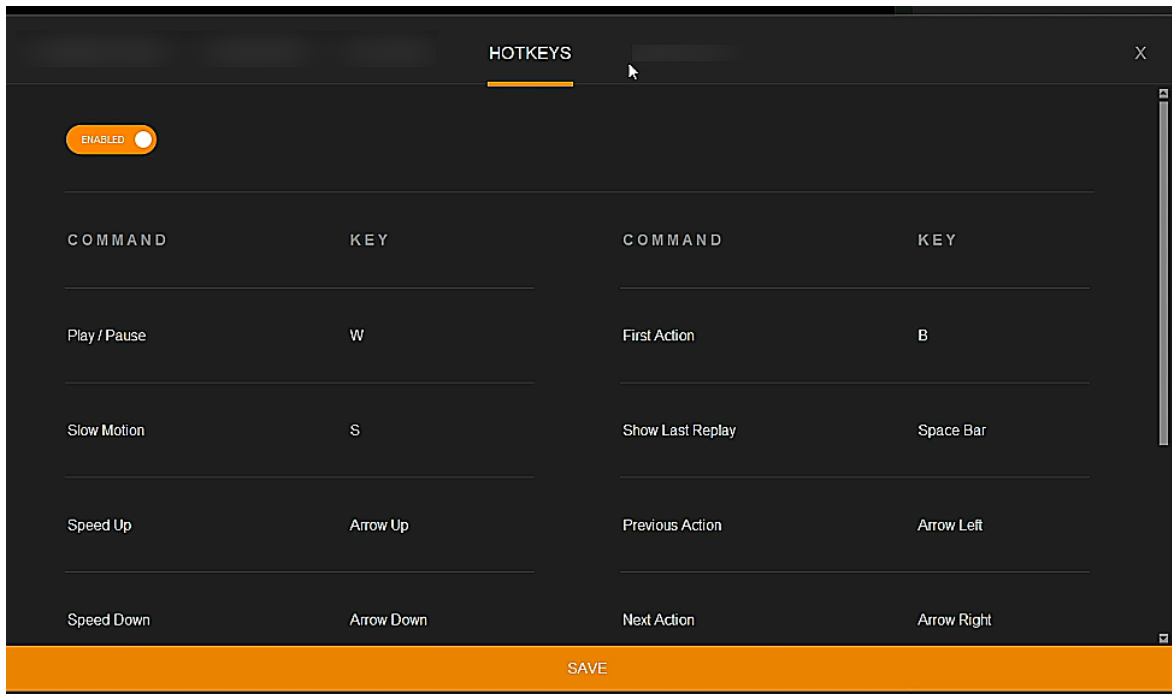
- ON : The live feed is shown all the time with the exception when there is a replay.
- OFF: Only the replays are shown.



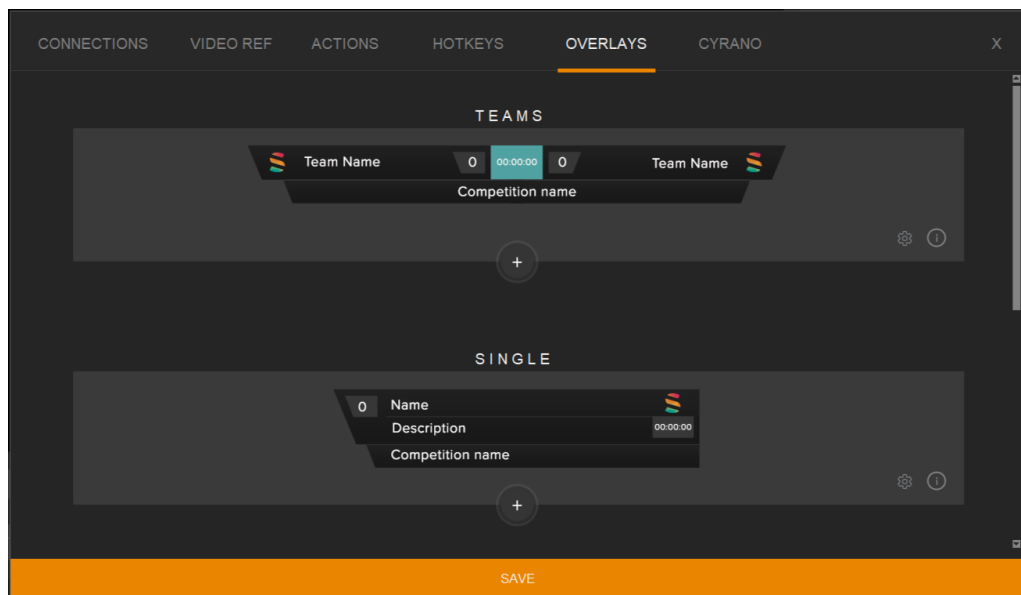
8. In the "Actions" menu, customize the names and colors according to the requirement. And enable/disable the instant replays of the actions.

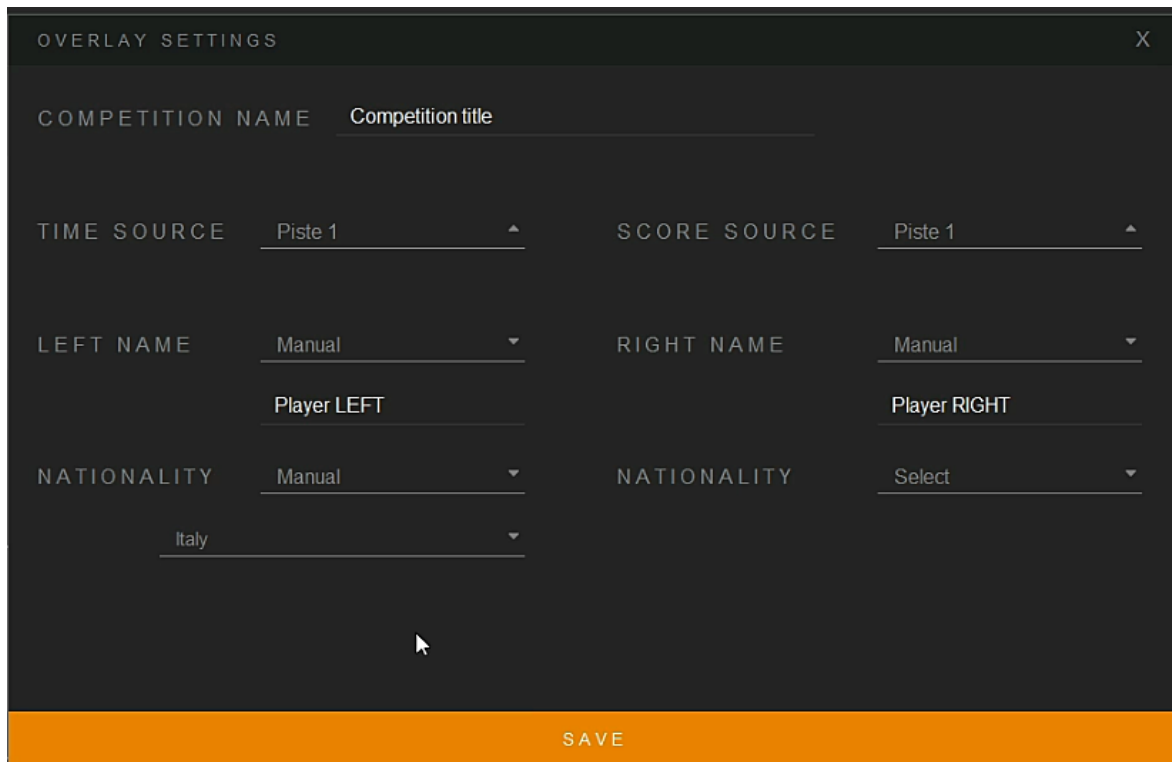
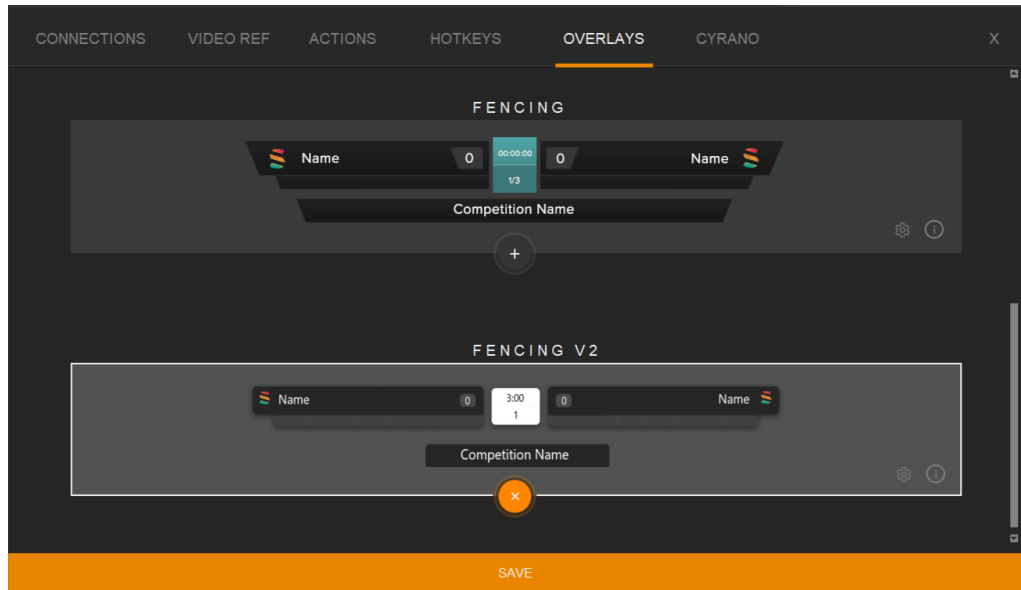


9. "Hotkeys" indicate keys for quick actions such as play/pause, Slow Motion, etc.



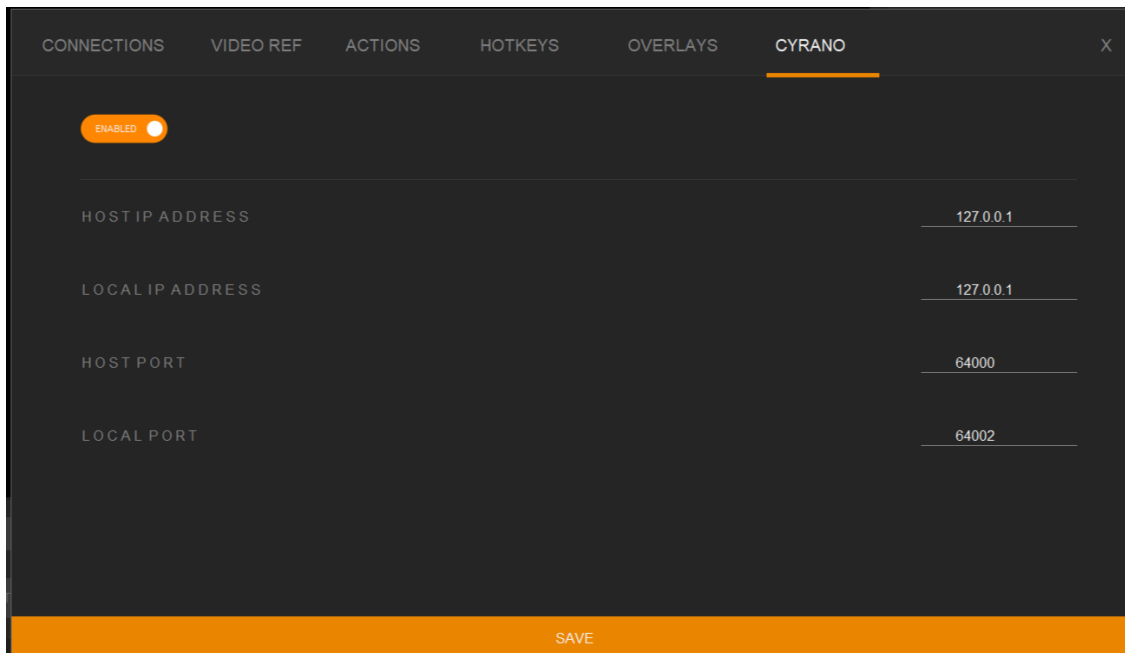
10. In "Overlays" the adjustment of how the identification of the encounter is appreciated is made and the source of the stopwatch and score is selected.





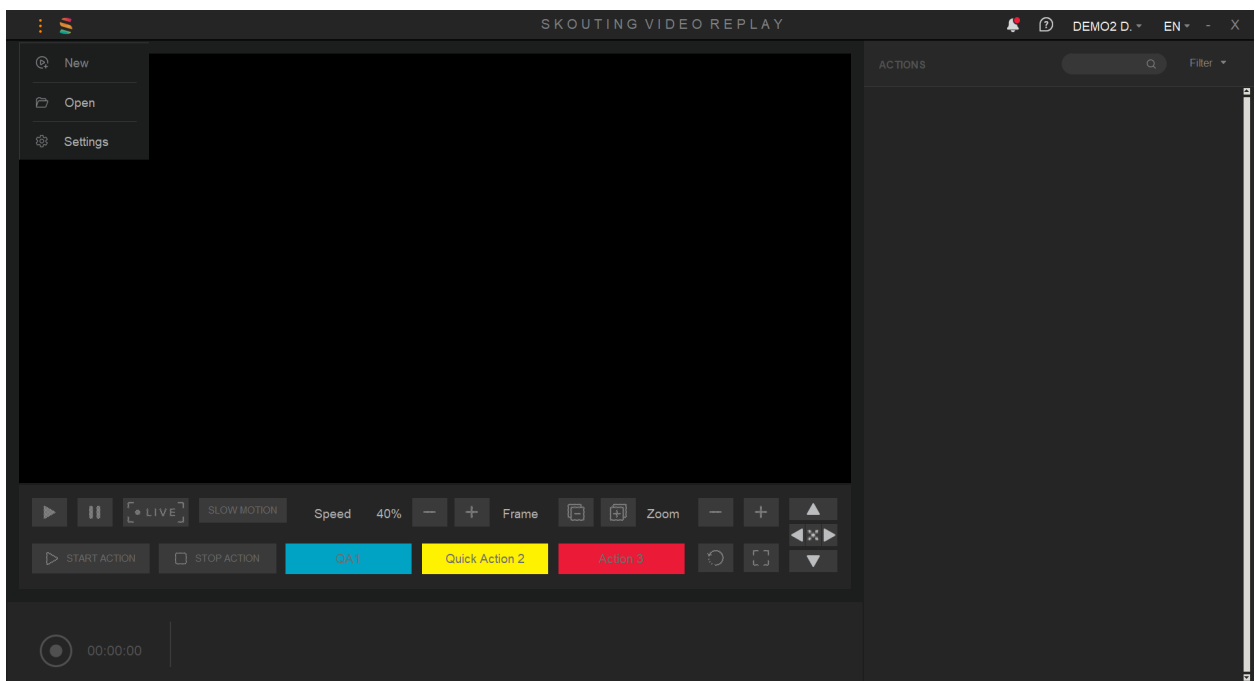
11. Once the adjustments have been made, click on “Save” to be able to keep the changes made.

12. Note: “Cyrano” is exclusive for st37 service, it should always be kept in the default configuration.



Normal mode

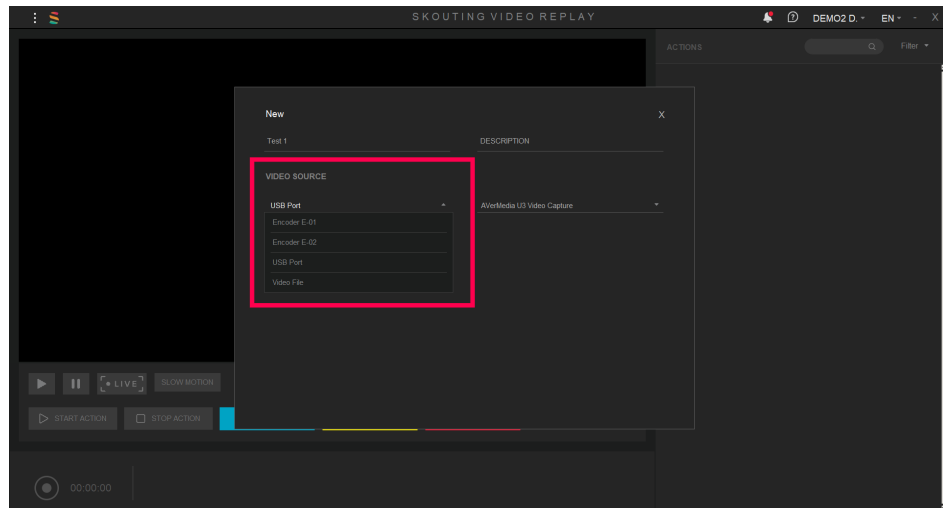
1. Click on the upper left menu on “New”.



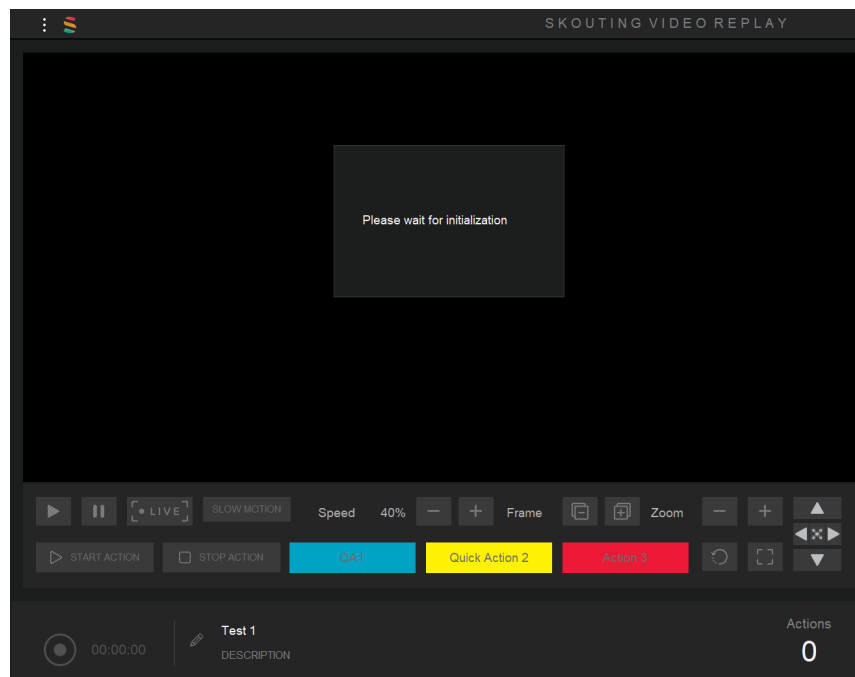
2. Adjust the values according to the requirements, select the video source that you

will use, the available entries are: video encoder (HTTP, RTSP), USB device (webcam, Usb Webcam, video capture), video File (recorded video).

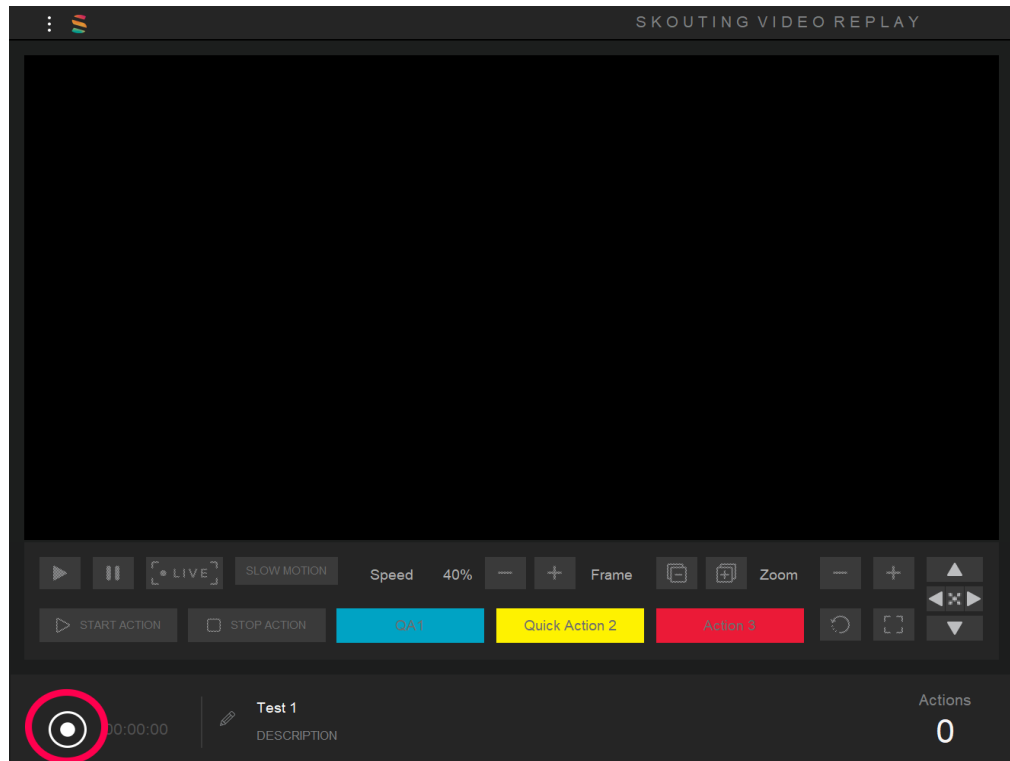
Note: If you are going to use a USB video device (Webcam, video capture, etc) you will need to plug it in before running the software.



3. Click on "Create".
4. Wait a few seconds for the initialization.



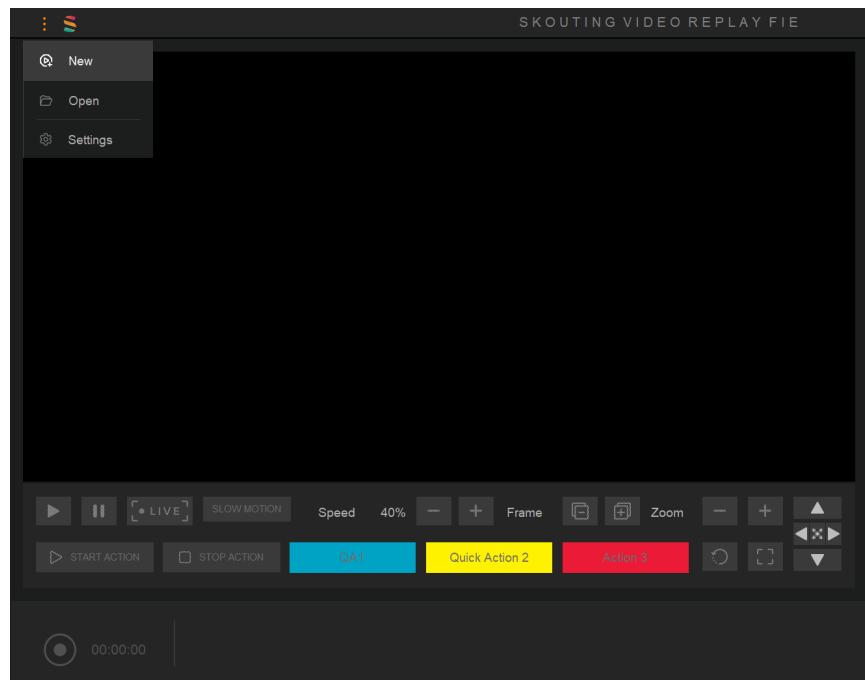
5. Once the "Please wait for initialization" window disappears, click on the circular "Record" button. If you have "Show live recording" enabled you will start seeing the video feed, if not you will see the black screen until there is a replay.



FIE mode

Note: use only file mode with authorization and prior induction of ST37.

1. Click on “New” in the upper left menu.



2. Adjust the values according to the requirements. If there is a bluetooth connected to the scoring machine and if the scoring machine receives the athletes' names and nationality, they will be shown automatically in the overlays. Select the video source that you will use, the available entries are: video encoder

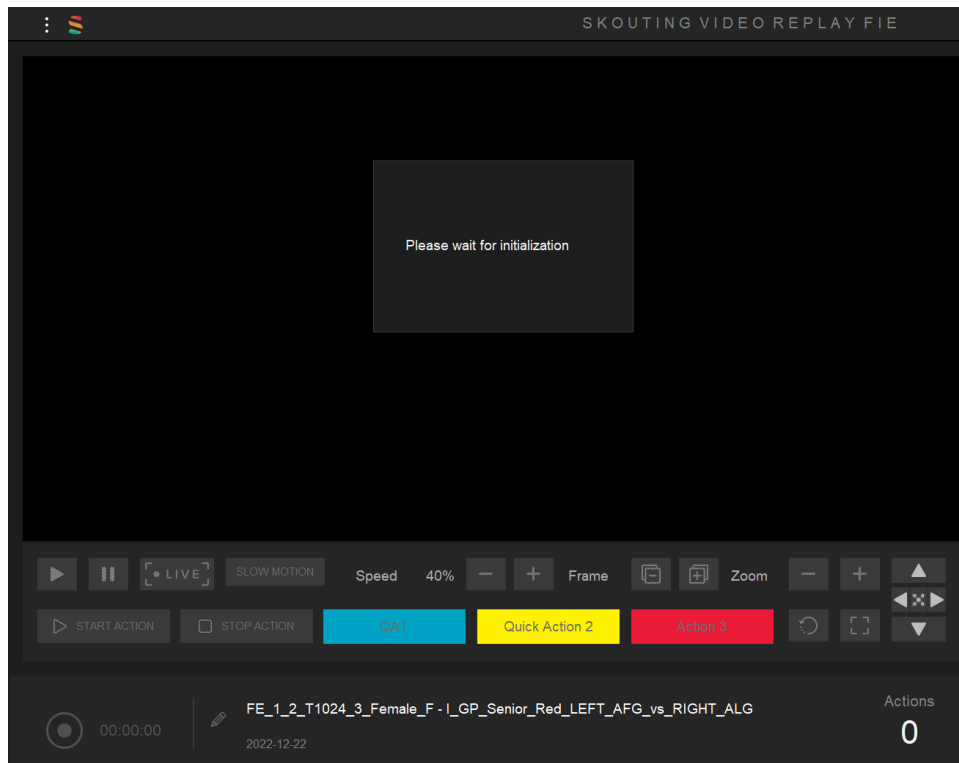
(HTTP, RTSP), USB device (webcam, video capture), local video (recorded video).

Note: For an USB device, the device must be plugged into the pc before launching the software.

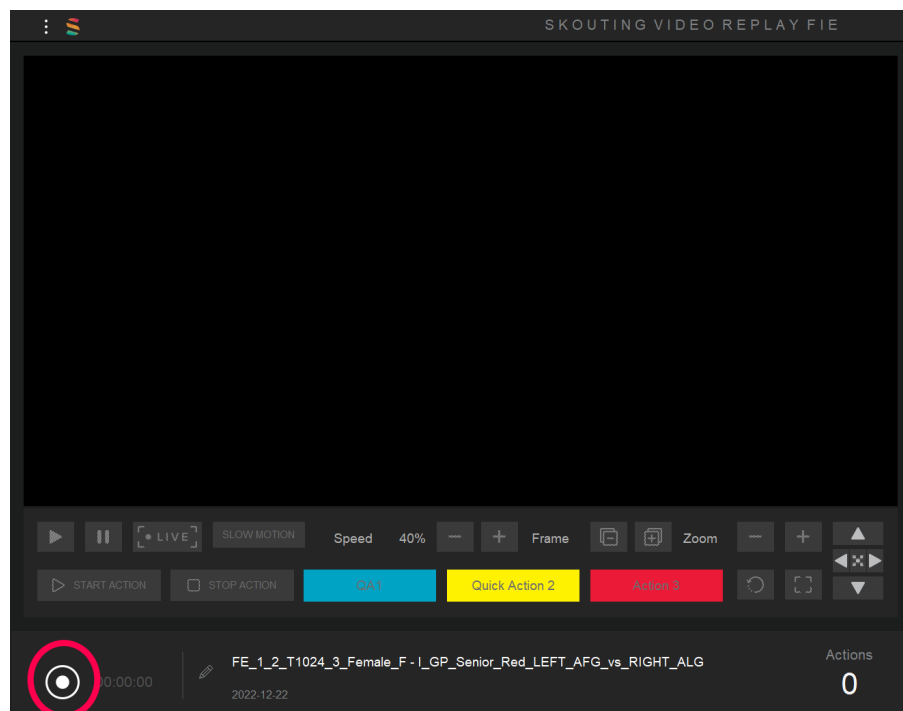
New FE MODE X

SEASON	Season	COMPETITION ID	ID	PHASE	Select
UNIT	Unit	GENDER	Select	WEAPON	Select
CLASS	Select	CATEGORY	Select	PISTE	Select
LEFT NAME	Name	LEFT NATIONALITY	Select		
RIGHT NAME	Name	RIGHT NATIONALITY	Select		
VIDEO SOURCE	Select				
AUDIO SOURCE	Select				

3. Click on "Create".
4. Wait a few seconds for the initialization.



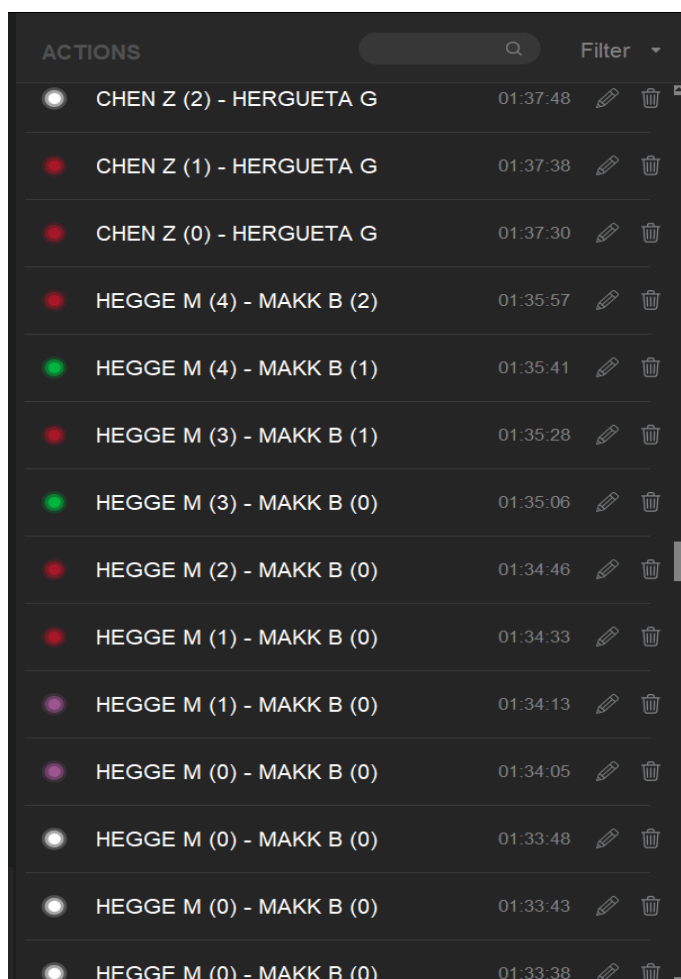
5. Once the "Please wait for initialization" window disappears, click on the circular "Record" button. If you have "Show live recording" enabled you will start seeing the video feed, if not you will see the black screen until there is a replay.



How does it work?

Once you start recording, you can start creating your actions manually by clicking on the quick actions buttons personalized by you. You also have an "Start Action" and a "Stop Action" button, these are to create a long replay letting you choose the time window that you want or need. These actions will be shown as a list at the right side of the software, showing you the last action at the top of the list. The actions created are fully editable, letting you change the name, color and time. You can also delete the actions.

In FIE mode, if you have a scoring machine connected to the software by bluetooth, it will create the actions automatically every time the chrono stops, if the chrono stopped because a light showed up you will immediately see a new action with the color of the light and the data from the match.



ACTIONS			Filter
●	CHEN Z (2) - HERGUETA G	01:37:48	
●	CHEN Z (1) - HERGUETA G	01:37:38	
●	CHEN Z (0) - HERGUETA G	01:37:30	
●	HEGGE M (4) - MAKK B (2)	01:35:57	
●	HEGGE M (4) - MAKK B (1)	01:35:41	
●	HEGGE M (3) - MAKK B (1)	01:35:28	
●	HEGGE M (3) - MAKK B (0)	01:35:06	
●	HEGGE M (2) - MAKK B (0)	01:34:46	
●	HEGGE M (1) - MAKK B (0)	01:34:33	
●	HEGGE M (1) - MAKK B (0)	01:34:13	
●	HEGGE M (0) - MAKK B (0)	01:34:05	
●	HEGGE M (0) - MAKK B (0)	01:33:48	
●	HEGGE M (0) - MAKK B (0)	01:33:43	
●	HEGGE M (0) - MAKK B (0)	01:33:38	

The colors of the actions are represented as follow:

- Green: Right hit
- Red: Left hit
- White: Left/Right/Both white light
- Purple: Left and Right hit
- Light green: Right hit + Left white light
- Orange: Left hit + Right white light
- Black: No light (chrono stopped)

You can also filter actions by color or by name.

ACTIONS			WALET	x	Filter
WALET K (1) - DI VEROLI (2)	03:49:08				
WALET K (1) - DI VEROLI (2)	03:48:44				
WALET K (1) - DI VEROLI (1)	03:48:20				
WALET K (0) - DI VEROLI (1)	03:47:58				
WALET K (0) - DI VEROLI (1)	03:47:49				
WALET K (0) - DI VEROLI (1)	03:47:21				
NAVARRO O. (6) - WALET K	02:37:20				
NAVARRO O. (6) - WALET K	02:37:09				
NAVARRO O. (5) - WALET K	02:36:53				
NAVARRO O. (5) - WALET K	02:36:38				
NAVARRO O. (4) - WALET K	02:36:16				
NAVARRO O. (4) - WALET K	02:34:43				
NAVARRO O. (4) - WALET K	02:34:41				
NAVARRO O. (3) - WALET K	02:34:28				

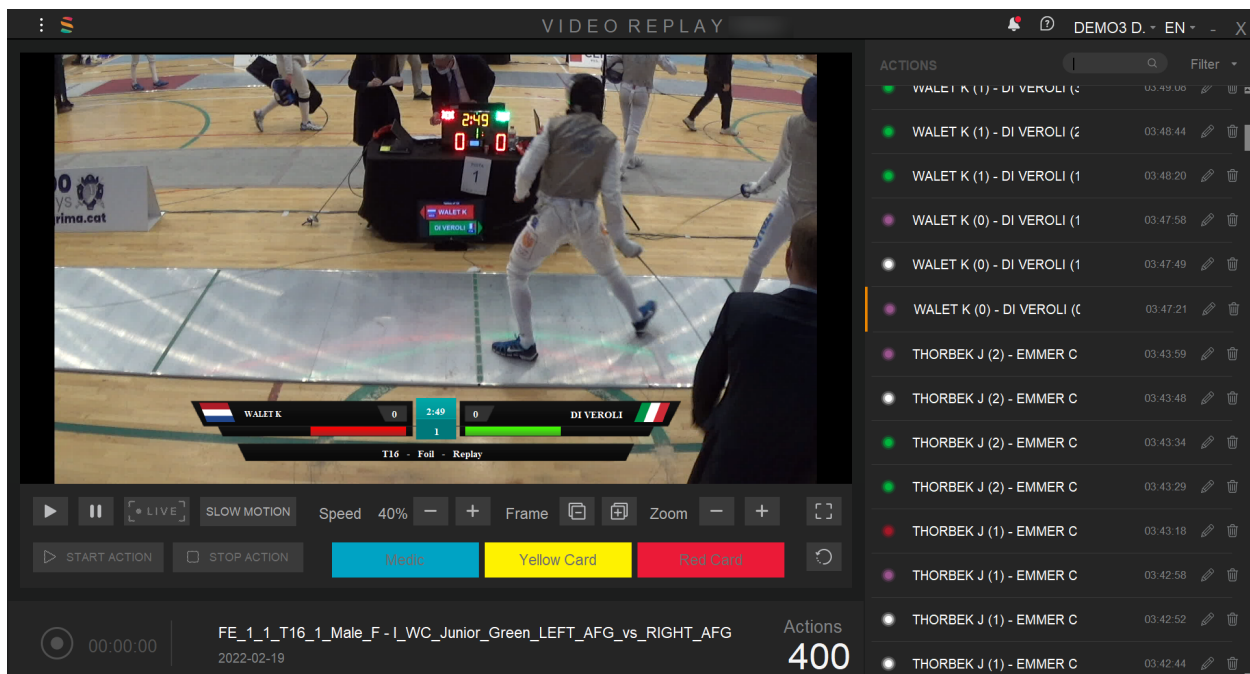
ACTIONS			Filter
CHEN Z (2) - HERGUETA G	01:37:48		All
CHEN Z (1) - HERGUETA G	01:37:38		
CHEN Z (0) - HERGUETA G	01:37:30		
HEGGE M (4) - MAKK B (2)	01:35:57		
HEGGE M (4) - MAKK B (1)	01:35:41		
HEGGE M (3) - MAKK B (1)	01:35:28		

ACTIONS			
●	WALET K (3) - DI VEROLI (1)	03:54:47	 
●	THORBEK J (1) - EMMER C	03:43:18	 
●	GRIFFIN J (14) - DURAND M	03:36:37	 
●	GRIFFIN J (13) - DURAND M	03:35:22	 
●	GRIFFIN J (12) - DURAND M	03:34:38	 
●	GRIFFIN J (11) - DURAND M	03:34:08	 
●	GRIFFIN J (10) - DURAND M	03:33:06	 
●	GRIFFIN J (9) - DURAND M	03:32:53	 
●	GRIFFIN J (8) - DURAND M	03:31:14	 
●	GRIFFIN J (7) - DURAND M	03:30:46	 
●	GRIFFIN J (6) - DURAND M	03:30:16	 
●	GRIFFIN J (5) - DURAND M	03:29:42	 
●	GRIFFIN J (4) - DURAND M	03:28:29	 

To watch a replay you can double click on the action, it will be shown first at full speed and after that in slow motion (you can change the speed from 10% to 200%), to re-watch the replay you can just press "space bar" (See "Hotkeys" section in "Settings").

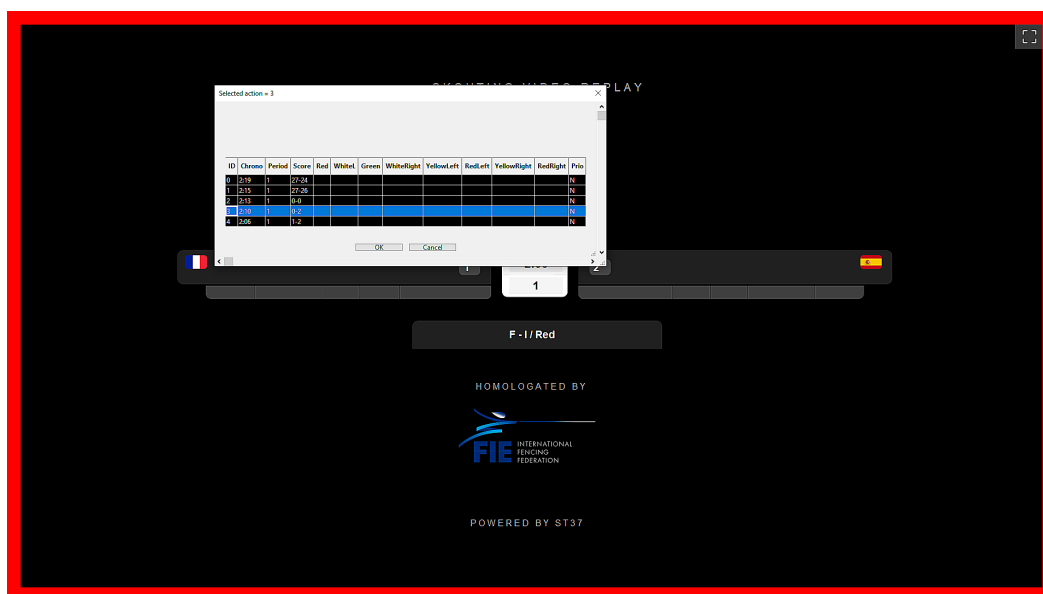
To stop the recording you have to click on the recording button (bottom left) and click "Yes" on the pop up message. Once you have stopped recording you can create another video or continue to watch the replays created.

You can also open an already created video with the software clicking on the menu button (Top left) and "Open", there you will need to choose the file with the name that you want to open and it will show all the list of actions created.

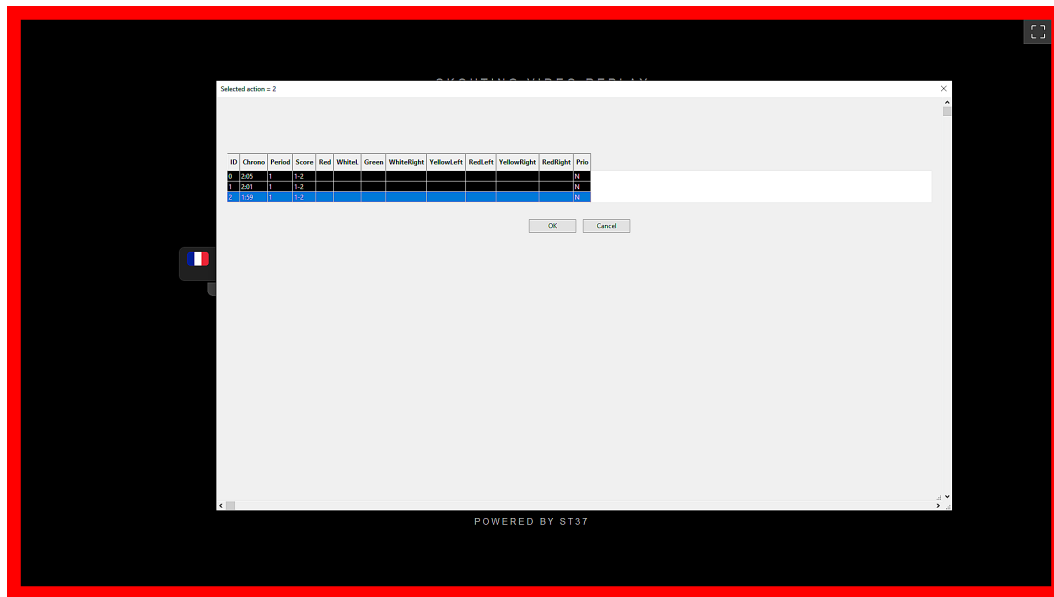


Actions list

In Full screen press the “Enter” key to display the list of actions that have been created in the Match, this will help you to find specific actions without having to leave the full screen.

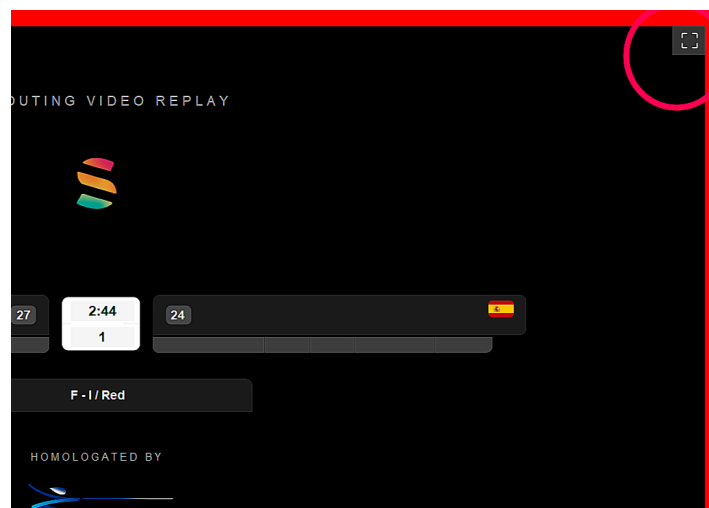


If you want to enlarge the video list view, drag each corner to expand it.

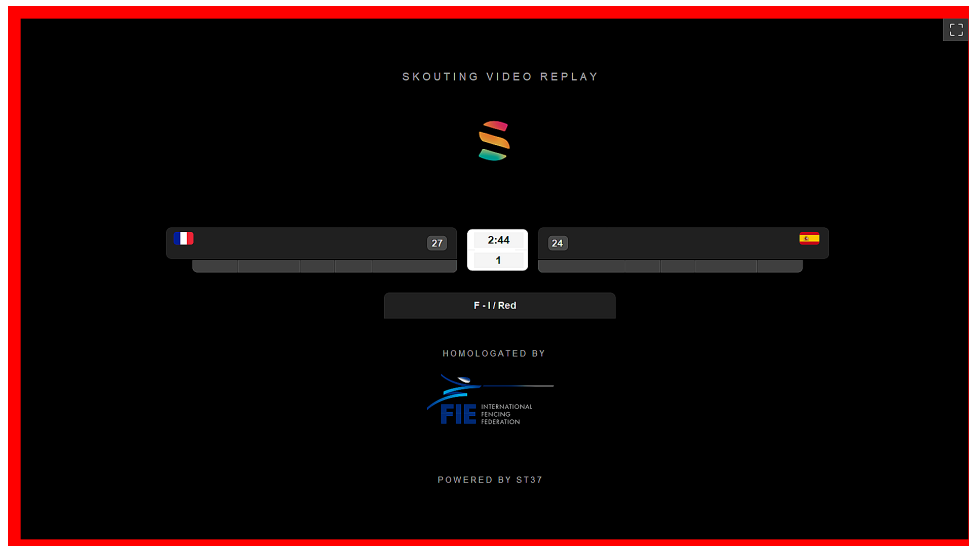


Full screen exit

To exit of Full Screen press the "Escape" key or click on the expand icon in the upper right corner.



In the FIE mode the full screen will always be open, the overlays continuously to be able to see the score but until an action is not generated the video will not appear.



Our system complies with FIE requirements

- Resolution of incoming frames 1280x720p. Resolution 1920x1080p and higher in an aspect ratio of 16:9 Widescreen.
- System supports Minimum recording frame rate 25 frames per second (50 fields) interlaced - 1080i/25
- Uncompressed or compressed video standards used for transmission from the camera to the recording device support the recommended resolutions and frame rates. Recommended transmission interfaces are HDV, HDMI, 3G SDI, of course higher standards like 6G and 12G SDI.
- The use of the video replay system does not imply inconveniences, delays or hindrances for the athletes and common processes of the entire competition.
- The video replay system can be directly connected to FIE approve scoring devices via serial connection or via IP protocols.
- Direct connection of the video replay system to any of the electronic scoring

machines officially approved by the FIE to receive the scoring protocol via the network (cyrano protocol version 1.0), RS422 or RS232. , Serial protocols are FPA3.0, FPA 3.02, and previously used scoring protocols.

- Allows collecting the Data in sync with the video: hits, signal lights, fight time, scores, cards, video appeals.
- Allows standard slow-motion playback speed between 30 and 50%. Variable playback speed between 10% and 200%
- You can sort the individual actions chronologically and select the preferred hit. Selective availability and direct access to individual hits or actions (history function).
- We can provide all the video clips after the end of the competition to the FIE in accordance with the requirements of the archive of the FIE archives.

Note: This software is fully compatible with ATLAS Videoref hardware.

Software Uninstallation

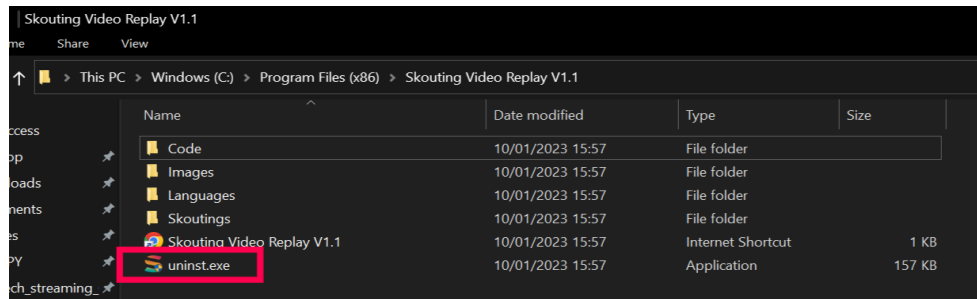
1. Right click on the Skouting Video Replay icon, when the popup window appears select "Open File Location".

Another option is to enter the path where the file is saved.

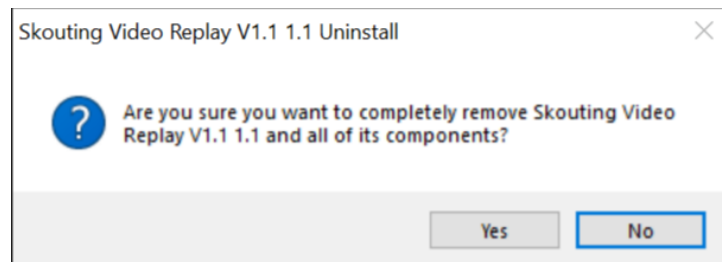
Example: Disk C/Program Files X86 /Skouting Video Replay V1.1

The path depends on where the user installed the software.

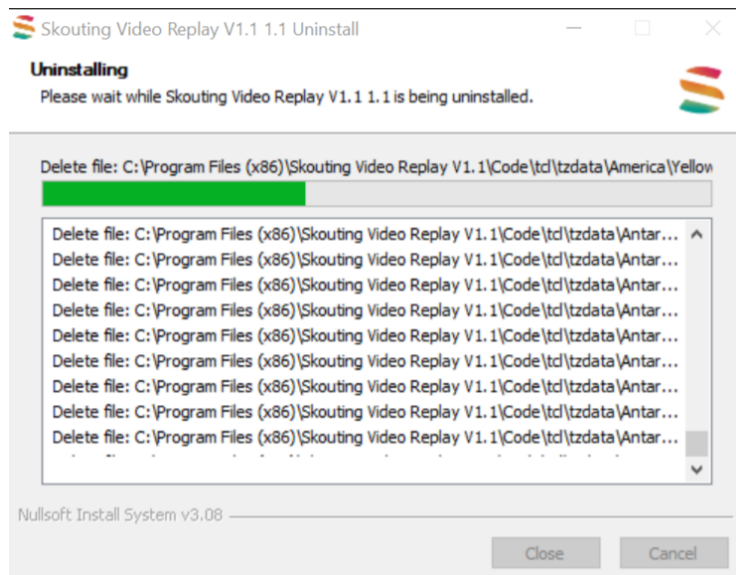
2. Click “Unstaller.exe” to start the unistallation.



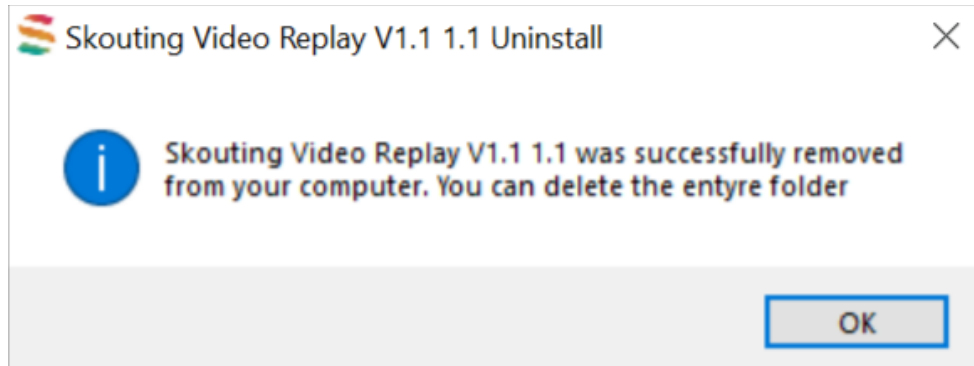
3. A pop-up window will open asking if you want to uninstall the software, select “yes”.



4. A pop-up window will open where you can see that all the software information is being deleted.



5. Finally a pop-up window will open informing you that the Unistallation has been successful.



6. Delete the folder "Skouting Video Replay V1.1".

Note: So that the videos created by the software are not deleted, do not forget to move them to another Location File before continuing with the uninstallation.

Annexes

