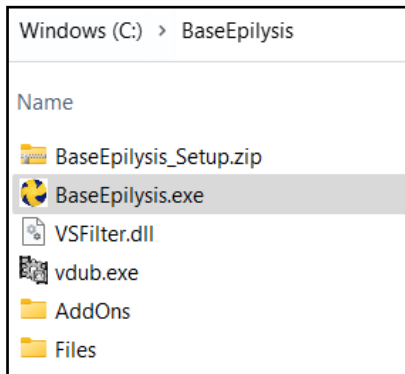


**Index**

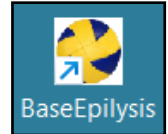
| | |
|-------------------------|--|
| Page 2 | INSTALLING and LIENCING SOFTWARE |
| Page 3 | INSERTING RELATIVE FILES |
| Page 5 | WATCHING VIDEO CLIPS of the ACTIONS |
| Page 6 | FILTERING and ACTIONS MONTAGE |
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▶ INSTALLING SOFTWARE

Create a directory and unzip the file BaseEpilysis_Setup.zip

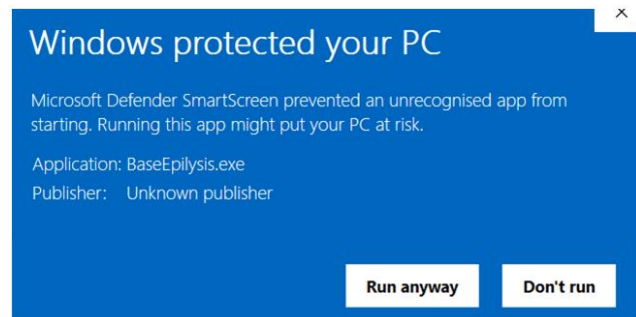


Run the file BaseEpilysis.exe.
A shortcut will automatically be created
on the desktop.



Double click on the shortcut to open BaseEpilysis.

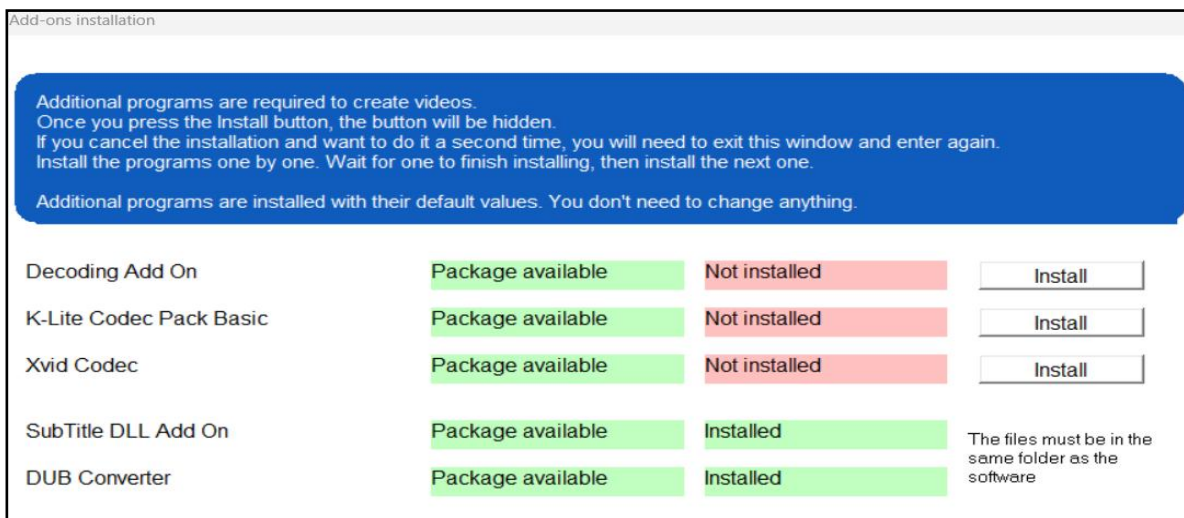
(Click "More Info" and "Run anyway" if Microsoft Defender shows a message like the one on the right.



At the top of the main form of BaseEpilysis, click on red rectangle.



In the next form, read the instructions



and install the necessary additional programs.

► LISENCING SOFTWARE



In the main form of BaseEpilysis click on the  button.

If the field "License is valid until" has a date value (e.g. '10/10/2024'), full liscense is provided. After that date or if the field "License is valid until" has the value "Free" , as the form below,

Enter here the email with which the license will be associated. One license corresponds to one email and is valid for this computer.

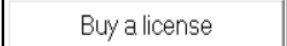
License is valid until

mypersonalemail@mail.com

Free

Buy a license

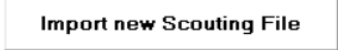
fill in your email in the first field

and request a license by clicking the  button.

After purchasing , the new valid license date is displayed.

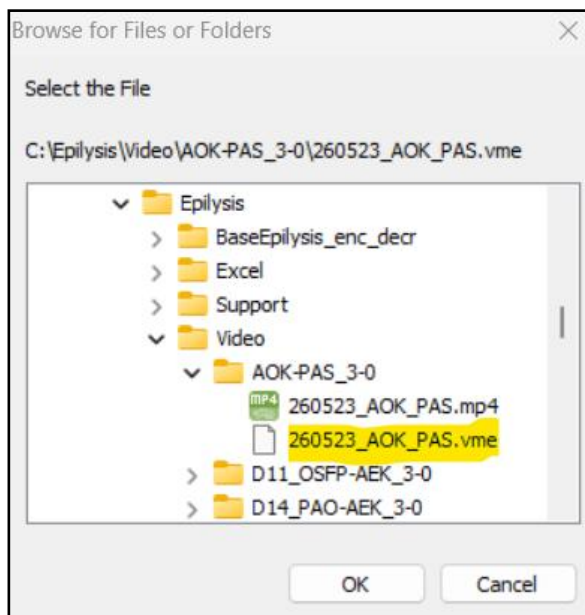
Otherwise, the program continues to run with the "Free" liscense under limitations.

► INSERTING RELATIVE FILES

A. In the main form of BaseEpilysis click on  button:
to import the relative scouting file from "MontageVolley" App (type: *.vme)

The screenshot shows the BaseEpilysis software interface. At the top, there are two buttons: "Import new Scouting File" (circled in red) and "Import relative Video File". Below these are several filter sections for "Set", "Score", "Score Difference", "SideOut", "Rot Home", "Rot Guest", "Action", "Action From", "Position", "Phase Winner", "Seconds", and "Order by". The "Order by" dropdown is currently set to "Time (Default)". Below the filters is a large table with columns: Set, Score, Serve, Rotation, Action, Serve value, Attack pos/on, Time, and Clip ID. The table is currently empty. At the bottom, there is an "Info and Statistics" section with three sub-sections: "No Scouting file selected", "No Video selected", and "Rows Imported". The "Rows Imported" section shows a table with columns: Stabitations, 4, 3, 2, 1, 6, and Sum. The "Rows after Filtering 0(0)" section shows a table with columns: Stabitations, 0, 0, 0, 0, 0, and Sum. The bottom right corner of the interface displays "Ver. 1.0.10" and "License: 10/10/2024".

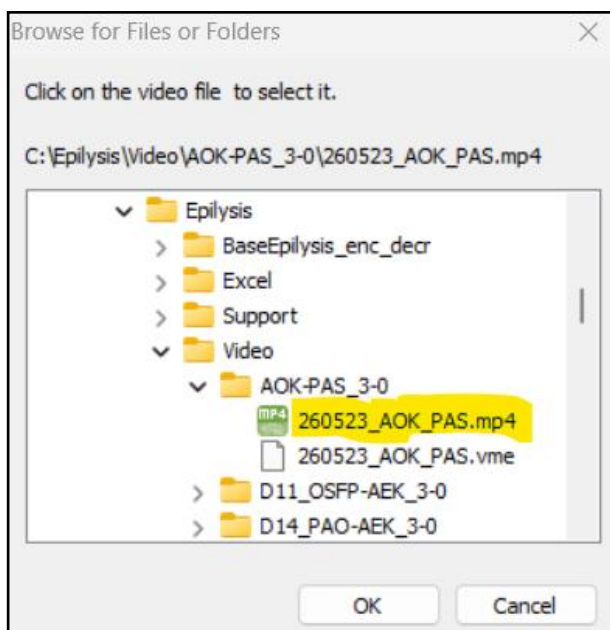
Choose the appropriate scouting file and press OK.



- A. Find the accurate time of the first serve of the game and fill in the field on the form on the right. Press OK.

A screenshot of a form titled "First Serve Time". It has a blue header with the text "Enter the accurate time of the First Serve from the video (MM:SS)". Below the header is a text input field containing "00:29". At the bottom, there are "OK" and "Cancel" buttons.

- B. In the main form of BaseEpilysis click on **Import relative Video File** button to import the relative Video file of the game. (type: *.avi or *.mp4)



Choose the appropriate video file and press OK.

► **WATCHING VIDEO CLIPS of the ACTIONS**

In the main form of BaseEpilysis click on Apply Filters button: and the list of all the actions of the match that have been entered from the "MontageVolley" App, will be displayed.

The screenshot shows the BaseEpilysis software interface. At the top, there are buttons for "Import new Scouting File" and "Import relative Video File". Below these are filter controls for Set, Score, Score Difference, SideOut, Rot Home, Rot Guest, Action, Attack, Action From, Position, and Seconds. A table lists match actions with columns for Set, Score, Serve, Rotation, Action, Serve value, Attack pos/on, Time, and Clip ID. Below the table are statistics for Serve and Attack, and version information (Ver. 1.0.10, License: 10/10/2024).

| Set | Score | Serve | Rotation | Action | Serve value | Attack pos/on | Time | Clip ID |
|-----|-------|-------|----------|--------|-------------|---------------|----------|---------|
| 1 | 0-0 | -- | 6 vs 6 | S | 1 | - | 00:00:29 | 0 |
| 1 | 0-0 | -- | 6 vs 6 | A | - | 2 | 00:00:31 | 1 |
| 1 | 1-0 | -- | 5 vs 6 | S | 1 | - | 00:02:19 | 3 |
| 1 | 1-0 | -- | 5 vs 6 | A | - | 3 | 00:02:21 | 4 |
| 1 | 1-0 | -- | 5 vs 6 | A | - | 2 | 00:02:26 | 5 |
| 1 | 2-0 | -- | 5 vs 6 | S | 1 | - | 00:02:53 | 7 |
| 1 | 2-0 | -- | 5 vs 6 | A | - | 3 | 00:02:55 | 8 |
| 1 | 3-0 | -- | 5 vs 6 | S | 2 | - | 00:03:21 | 10 |
| 1 | 3-0 | -- | 5 vs 6 | A | - | 4 | 00:03:24 | 11 |
| 1 | 3-1 | -- | 5 vs 5 | S | 2 | - | 00:03:52 | 13 |
| 1 | 3-1 | -- | 5 vs 5 | A | - | 4 | 00:03:56 | 14 |
| 1 | 4-1 | -- | 4 vs 5 | S | 1 | - | 00:04:23 | 16 |
| 1 | 4-1 | -- | 4 vs 5 | A | - | 4 | 00:04:26 | 17 |
| 1 | 4-2 | -- | 4 vs 4 | S | 1 | - | 00:04:52 | 19 |

Double click on a line to watch the video clip of the corresponding action on Media Player.

The screenshot shows the BaseEpilysis software interface with a video player overlay. The video player displays a volleyball match in progress. The video title bar shows "Set: 1 — Score: 3-0 — Serve: -- — Rotation: 5 vs 6 — Action: S — Time: 00:03:21". The video player includes standard playback controls and a progress bar. The BaseEpilysis interface is visible in the background, showing the same table and filters as in the previous screenshot.

Enter numeric values in the fields: Pre Post
3 5 to define the duration of the clip.

► FILTERING and ACTIONS MONTAGE

In the main form of BaseEpiylsis use filters to select desired set of actions.

Press to activate the selected filters
or to reset all filters.

Ex. 1: All the lost serves from guest team (order by: Rotations of the guest team)


| Filters | | | | | | | | | |
|----------------------------|---|-----------------------------|----------------------------|----------------------------|-----------------------------|--|--|--|--|
| Set 1 2 3 4 5 | Score <15 >15 >20 | Score Difference 0 <2 <4 | SideOut Home Guest | Rot Home 4 3 2 5 6 1 | Rot Guest 4 3 2 5 6 1 | <input type="button" value="Apply Filters"/> | | <input type="button" value="Clear Filters"/> | |
| Action (S)erve (A)tack | Attack After Serve After Easy serve After Difficult serve In Transition | | Action From Home Guest | Position 4 3 2 6 1 | Seconds Pre Post 3 3 | | Order by Time (Default) Home Team's Rotation Guest Team's Rotation Attack Position | | |
| Serve Quality 0 1 2 3 4 | | | Phase Winner Home Guest | | | | | | |

Ex. 2: All the attacks after good pass (easy serve) of the home team, from position 3.

| Filters | | | | | | | | | |
|----------------------------|---|-----------------------------|----------------------------|----------------------------|-----------------------------|--|--|--|--|
| Set 1 2 3 4 5 | Score <15 >15 >20 | Score Difference 0 <2 <4 | SideOut Home Guest | Rot Home 4 3 2 5 6 1 | Rot Guest 4 3 2 5 6 1 | <input type="button" value="Apply Filters"/> | | <input type="button" value="Clear Filters"/> | |
| Action (S)erve (A)tack | Attack After Serve After Easy serve After Difficult serve In Transition | | Action From Home Guest | Position 4 3 2 6 1 | Seconds Pre Post 5 3 | | Order by Time (Default) Home Team's Rotation Guest Team's Rotation Attack Position | | |
| Serve Quality 0 1 2 3 4 | | | Phase Winner Home Guest | | | | | | |

Ex. 3: All the attacks of the home team, in rotation 5,4,3 from position 4.

| Filters | | | | | | | | | |
|----------------------------|---|-----------------------------|----------------------------|----------------------------|-----------------------------|--|--|--|--|
| Set 1 2 3 4 5 | Score <15 >15 >20 | Score Difference 0 <2 <4 | SideOut Home Guest | Rot Home 4 3 2 5 6 1 | Rot Guest 4 3 2 5 6 1 | <input type="button" value="Apply Filters"/> | | <input type="button" value="Clear Filters"/> | |
| Action (S)erve (A)tack | Attack After Serve After Easy serve After Difficult serve In Transition | | Action From Home Guest | Position 4 3 2 6 1 | Seconds Pre Post 3 5 | | Order by Time (Default) Home Team's Rotation Guest Team's Rotation Attack Position | | |
| Serve Quality 0 1 2 3 4 | | | Phase Winner Home Guest | | | | | | |

Press the  button to produce the montage of the actions after filtering.

Windows Media Player then plays the clip of the actions.



► FILTERING and RALLIES MONTAGE

In the main form of BaseEpilysis use filters to select desired set of rallies (all the actions from a serve until a team wins a point)


Press to activate the selected filters
or to reset all filters.

Ex. 1: All the Rallies of the first set

| Filters | | | | | | Apply Filters | | Clear Filters | |
|----------------------------|---|-----------------------------|----------------------------|----------------------------|-----------------------------|---------------------|--|---------------|--|
| Set 1 2 3 4 5 | Score <15 >15 >20 | Score Difference 0 <2 <4 | SideOut Home Guest | Rot Home 4 3 2 5 6 1 | Rot Guest 4 3 2 5 6 1 | | | | |
| Action (S)erve (A)ttack | Attack After Serve After Easy serve After Difficult serve In Transition | | Action From Home Guest | Position 4 3 2 6 1 | | Seconds Pre Post | Order by | | |
| Serve Quality 0 1 2 3 4 | | | Phase Winner Home Guest | | | 2 2 | Time (Default) Home Team's Rotation Guest Team's Rotation Attack Position | | |

Ex. 2: All the winning rallies of the guest team with guest team in serve (order by: Rotations of the guest team)

| Filters | | | | | | Apply Filters | | Clear Filters | |
|----------------------------|---|-----------------------------|----------------------------|----------------------------|-----------------------------|---------------------|--|---------------|--|
| Set 1 2 3 4 5 | Score <15 >15 >20 | Score Difference 0 <2 <4 | SideOut Home Guest | Rot Home 4 3 2 5 6 1 | Rot Guest 4 3 2 5 6 1 | | | | |
| Action (S)erve (A)ttack | Attack After Serve After Easy serve After Difficult serve In Transition | | Action From Home Guest | Position 4 3 2 6 1 | | Seconds Pre Post | Order by | | |
| Serve Quality 0 1 2 3 4 | | | Phase Winner Home Guest | | | 3 5 | Time (Default) Home Team's Rotation Guest Team's Rotation Attack Position | | |

Press the  button to produce the montage of the rallies after filtering.

Windows Media Player then plays the clip of the rallies.




note: Detailed description of filters in page 11

▶ CREATING .AVI video FILE

Press the  button.

The add-on software “Virtual dub” creates an .AVI video file from the previous montage.

note: The first running time “Virtual dub” prompts for confirmation with an “ok” button.

Press the  button to open the directory with the created .AVI video files to play and share.

The files that are created get the same name. Rename a file, if you want to keep it, before producing a new one.

▶ STATISTICS AREA

Study the statistical results (in the area of the form at the bottom) that is dynamically updated after each filtering.

| <table border="1"><thead><tr><th>Statistics</th><th>0</th><th>1</th><th>2</th><th>3</th><th>4</th><th>Sum</th></tr></thead><tbody><tr><td>Serve</td><td>32</td><td>65</td><td>26</td><td>9</td><td>14</td><td>146</td></tr><tr><td>Quality</td><td>22%</td><td>45%</td><td>18%</td><td>6%</td><td>10%</td><td></td></tr></tbody></table> <p>Serve quality statistics</p> | Statistics | 0 | 1 | 2 | 3 | 4 | Sum | Serve | 32 | 65 | 26 | 9 | 14 | 146 | Quality | 22% | 45% | 18% | 6% | 10% | | <table border="1"><thead><tr><th>Statistics</th><th>4</th><th>3</th><th>2</th><th>1</th><th>6</th><th>Sum</th></tr></thead><tbody><tr><td>Attack</td><td>61</td><td>23</td><td>32</td><td>16</td><td>5</td><td>137</td></tr><tr><td>Position</td><td>45%</td><td>17%</td><td>23%</td><td>12%</td><td>4%</td><td></td></tr></tbody></table> <p>Setter distribution statistics</p> | Statistics | 4 | 3 | 2 | 1 | 6 | Sum | Attack | 61 | 23 | 32 | 16 | 5 | 137 | Position | 45% | 17% | 23% | 12% | 4% | |
|--|------------|-----|-----|-----|-----|-----|-----|-------|----|----|----|---|----|-----|---------|-----|-----|-----|----|-----|--|--|------------|---|---|---|---|---|-----|--------|----|----|----|----|---|-----|----------|-----|-----|-----|-----|----|--|
| Statistics | 0 | 1 | 2 | 3 | 4 | Sum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Serve | 32 | 65 | 26 | 9 | 14 | 146 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quality | 22% | 45% | 18% | 6% | 10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Statistics | 4 | 3 | 2 | 1 | 6 | Sum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attack | 61 | 23 | 32 | 16 | 5 | 137 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Position | 45% | 17% | 23% | 12% | 4% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

► **RESYNCHRONISE the SCOUTING FILE**

In the case of the Media Player not playing an action correctly, it may need to be resynchronized.

Right click on the action, and correct the time in the field "New Time"

| | | | | | | | | |
|---|-----|----|--------|---|---|---|----------|----|
| 1 | 4-2 | -• | 4 vs 4 | A | - | 4 | 00:04:55 | 20 |
| 1 | 4-2 | -• | 4 vs 4 | A | - | 4 | 00:04:58 | 21 |
| 1 | 4-2 | -• | 4 vs 4 | A | - | 1 | 00:05:03 | 22 |
| 1 | 5-2 | •- | 3 vs 4 | S | 4 | - | 00:05:30 | 24 |

Edit Clip

| Set | Score | Serve | Rotation | Action | Serve value | Attack pos/on | Time | Clip ID |
|-----|-------|-------|----------|--------|-------------|---------------|----------|---------|
| 1 | 5-2 | •- | 3 vs 4 | S | 4 | - | 00:05:30 | 24 |
| 1 | 5-2 | •- | 3 vs 4 | S | 4 | - | 00:05:32 | 24 |

New Time

On "Save" Resynchronize Times

On "Save" create a new Scouting file Including Changes

Save Changes and Exit

Exit without save changes

In the case of the inserting process (using the application "MontageVolley") being done offline and being interrupted (e.x. between sets), the file may need to be resynchronized.

Seek the video file and find the correct time of the first non synchronized action.

Right click on this action, and correct the time in the field "New Time"

Click "On Save Resynchronize Times" to correct all times from this point to the end of the game.

Click "On Save create a new Scouting file Including Changes" to produce a new correct scouting file for future use.

| | | | | | | | | |
|---|-------|----|--------|---|---|---|----------|-----|
| 1 | 23-18 | -• | 4 vs 4 | A | - | 3 | 00:23:36 | 119 |
| 1 | 24-18 | •- | 3 vs 4 | S | 1 | - | 00:24:01 | 121 |
| 1 | 24-18 | •- | 3 vs 4 | A | - | 1 | 00:24:05 | 122 |
| 2 | 0-0 | •- | 5 vs 3 | S | 1 | - | 00:45:52 | 126 |

Edit Clip

| Set | Score | Serve | Rotation | Action | Serve value | Attack pos/on | Time | Clip ID |
|-----|-------|-------|----------|--------|-------------|---------------|----------|---------|
| 2 | 0-0 | •- | 5 vs 3 | S | 1 | - | 00:45:52 | 126 |
| 2 | 0-0 | •- | 5 vs 3 | S | 1 | - | 00:26:47 | 126 |

New Time


On "Save" Resynchronize Times

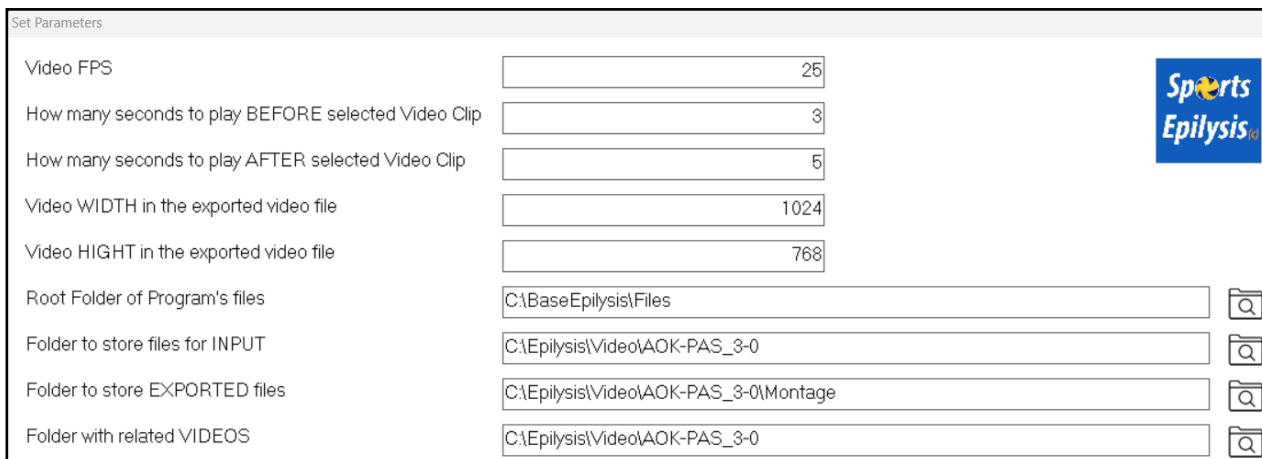
On "Save" create a new Scouting file Including Changes

Save Changes and Exit

Exit without save changes

▶ USER SETTINGS

Click the  button to open the form of initial settings.

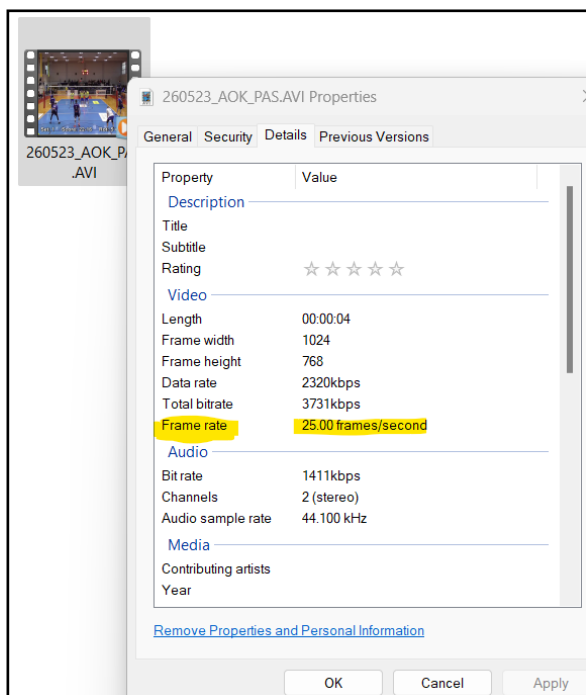


| Parameter | Value |
|---|---------------------------------------|
| Video FPS | 25 |
| How many seconds to play BEFORE selected Video Clip | 3 |
| How many seconds to play AFTER selected Video Clip | 5 |
| Video WIDTH in the exported video file | 1024 |
| Video HIGHT in the exported video file | 768 |
| Root Folder of Program's files | C:\BaseEpilysis\Files |
| Folder to store files for INPUT | C:\Epilysis\Video\AOK-PAS_3-0 |
| Folder to store EXPORTED files | C:\Epilysis\Video\AOK-PAS_3-0\Montage |
| Folder with related VIDEOS | C:\Epilysis\Video\AOK-PAS_3-0 |

Replace the default values if preferred.

The first field (Video FPS) is very important.


Find the FPS value for every new video file. Right click on the video file icon, choose "Properties" and open the tab Details"



Fill in the field: "Video FPS" with the right value before the montaging process.

► Add-ons INSTALLATION



Click the  button to open the form to install the necessary additional programs.

Add-ons installation

Additional programs are required to create videos.
Once you press the Install button, the button will be hidden.
If you cancel the installation and want to do it a second time, you will need to exit this window and enter again.
Install the programs one by one. Wait for one to finish installing, then install the next one.

Additional programs are installed with their default values. You don't need to change anything.

| | | | |
|-------------------------|-------------------|---------------|--|
| Decoding Add On | Package available | Not installed | Install |
| K-Lite Codec Pack Basic | Package available | Not installed | Install |
| Xvid Codec | Package available | Not installed | Install |
| SubTitle DLL Add On | Package available | Installed | The files must be in the same folder as the software |
| DUB Converter | Package available | Installed | |

Read the instructions and install the necessary additional programs.

► DESCRIPTION of the FILTERS

Set

1 2 3 4 5

Choose set or sets of the game (multiple choices are possible)

Score

<15 >15 >20

Choose actions or rallies with individual score for both teams

Score Difference

0 <2 <4

Choose actions or rallies with a specific score difference

SideOut

Home Guest

Choose the team that performs the serve

Action

(S)erve (A)ttack

Choose Action

Serve Quality

| | | | | |
|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|

Choose quality value of the Serve (multiply selection is possible)

- 0: lost
- 1: easy / Attack from position 3 is possible
- 2: difficult / Attack only for outside hitters is possible
- 3: very difficult / Attack is not possible
- 4: Ace

Attack

| |
|-----------------------|
| After Serve |
| After Easy serve |
| After Difficult serve |
| In Transition |

Choose kind of attack related to previous serve

Action From

| | |
|------|-------|
| Home | Guest |
|------|-------|

Choose the team that performs the actions

| | |
|----------|-----------|
| Rot Home | Rot Guest |
| 4 3 2 | 4 3 2 |
| 5 6 1 | 5 6 1 |

Choose rotation(s) of the teams
(multiple choices are possible)

Position

| |
|-------|
| 4 3 2 |
| 6 1 |

Choose position of the Attack action
(multiple choices are possible)

Phase Winner

| | |
|------|-------|
| Home | Guest |
|------|-------|

Choose winning rallies for a specific team

Seconds

| | |
|-----|------|
| Pre | Post |
| 3 | 5 |

Choose the seconds before and after the action to define the playback duration

Order by

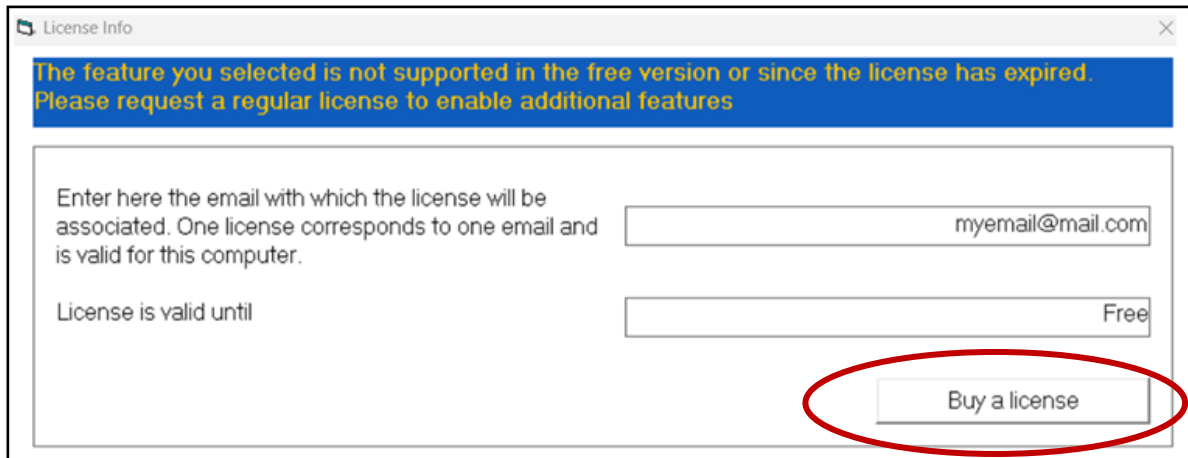
| |
|-----------------------|
| Time (Default) |
| Home Team's Rotation |
| Guest Team's Rotation |
| Attack Position |


Choose a sorting method to define the playback order
Rotations: (1 → 6 → 5 → 4 → 3 → 2)
Attack: 4 → 2 → 1 → 6 → 3

▶ LIMITATIONS of the “Free” LICENSE

Click the  button.

After the free period of use, the form looks like the following one:



Fill in your email in the first field and request a license by clicking the  button. After purchasing , the new valid license date is displayed.

Otherwise, the program continues to run, with a “Free” license, under limitations
The main buttons below *are not active*.



Produce montage of many actions.



Produce montage of rallies.



Convert the last montage selection into a .AVI video file, to share it.

Watching video clips of the individual actions is available. (see page 5)

▶ COMMON PROBLEMS

A. Video Player does not play the right actions

Answer:

- a) Check the synchronization of the first serve.
- b) The whole file (or some parts) may needs resynchronization (see page 9).
- c) Check the FPS value (see page 10). The FPS value may need correction.

B. Video Player does not play video, but shows messages

Answer:

- d) Check the installation of all add-ons programs (see page 2 or 11)
- e) Check the name of the relative video file or reinsert the relative video file.

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youtube.com\sportsepilysis



facebook.com/SportsEpilysis



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