

# Start guide

RUN MONITOR 2020 V0.16 THIS IS A BETA VERISON!

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Explain why

Explain .rmx file and videos

#### OPENING THE SOFTWARE

In some cases the you may get a message like this one:



Nothing to worry about. Press "Show in Finder" (it will take you to Applications in Finder) and find Run Monitor. Make secondary click and press "Open". After that you will see the same message as before, but this time having one extra option: Open. You will only need to do this process once.



#### REGISTRATION

First thing to do after downloading and installing the software, is to register it. Important: Internet connection is required.

• • •		Introduction
f	0	Run Monitor 2020 v0.15 ©
9	$\boxtimes$	Use the menu in order to start
		Logging panel
	RM	Status: Waiting registration Valid until: 2020.04.11
		Registration
? w	/hy support us? Donate	Offical partners:

Click in registration and the following window will appear:

•••		Reg	gistration	
R		Current Status:	Waiting registration date: 2020.04.11	
	Country Slovenia		Team	*Club, training group
	User	Name	Last Name	3
	email my.example.e	email@gmail.com	Code ?	
	Registrati Full regist	on type ration ᅌ		Accept

Fill all the required boxes and accept. In the bottom part you can choose between "Trial" and "Full registration" modes. If you don't have an activation code, you can still register introducing any code, but this way the trial time will be reduced.

GENERAL TIPS

This section is made for having a complete control of your season. From creating the planning for your training group to a database of all the session you have made.

#### PLANNING

With this tool you can create a season planning for a whole group of athletes, also for different years.

																							Plan	ning																									
New group Macrocycle	]	C	ору						-			0	Detai	Is				٥					G	)(	R	Ş	)							In	nport	seas	ion										Ado	l dat	ta
Mesocycle																																																	
2020 ∢ ● ►	1	2	3	4 1	5	6	7	8	9 .	10	11 1	12 1	3 14	15	16	17	18	19	20	21	22 :	23 2	24 25	26	27	28	29	30	31 3	32 3	3 34	35	36	37	38	39	40	41	42	43	44	45	46	47	48 /	49	50	51 E	52
u We Th Fr Sa Su 8 29 30 31 1 2 4 5 6 7 8 9 11 12 13 14 15 16 8 19 20 21 22 23 5 26 27 28 29 1																																																	
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Microcycles	1	2	3	4	5	6	7	8	9	10	11	12 1	13 14	15	16	17	18	19	20	21	22	23	24 2	5 26	27	28	29	30	31	32 3	33 3-	1 3	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Total sessions	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volume (b)	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Intensity	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	o	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Training Score	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ì
BT BT	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TTF	1.	0	ň	ő		0	0	ő	0	0	ő	ő	0 0	0	ő	0	0	ň	ő	0	0	ő	~ 0 0 0		ň	0	0	0	0	0	0 0	0	0	0	0	ň	0	0	ő	0	ň	0	ő	0	ő	0	0	ő	l
2 RP	1.0	0	õ	0	ñ	0	õ	0	0	ő	0	0	0 0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	ő	0	0	0	0 0	0	0	0	0	0	0	0	ő	0	õ	ő	0	0	0	0	0	0	l
Microcycles	1	2	2	4	6	6	7	0	0	10	11	12 4	12 1/	15	16	17	19	10	20	21	22	22 .	24 21	20	27	28	20	20	21	22 3	22 2	1 21	26	27	28	20	40	41	42	42	44	46	46	47	48	49	50	61	į
Mater to:			9	-	<i>•</i>	•	1							10	10		10	.5	*0	* 1	**		21	20	21	*0	*3			04 0	0 3	. 31	30	37	36		40		2	-3		-3		"'		-3			3
vvater test	-																																																
Endur. test	-																																																
Blood test	1																																																

The empty planning looks like the picture above. In order to import an existing group, press "command" + "i". Or if you want to create a new training group, simply click in "New group" on the top left corner.

•		New Group		
Cancel		New group		Save
		Athlete	•	Seasons
Coach name			KAUZER Peter	1
Awesome coach				
New athlete	Add			
Label				
KAUZER Peter	<b>~</b>			
		Season year		
Category	2nd category	2020		
MK1 ᅌ	-			
Email		Start day		
Eman		Mo Tu We Th Fr Sa S		
		30 1 2 3 4 5	6	
		7 8 9 10 11 12 1	3	
Phone number		14 15 16 17 18 19 2	0	
	0	28 29 30 31 1 2	3	
		4 5 6 7 8 9 1		
		at the time to a standard		

A new window will appear for a new group where you will have to add each athlete you want to have. There are all the ICF ranked athletes in the system, but if you want to add any other, it is totally possible.

Note that the beginning of the season must be a Monday.

If you added an athlete correctly, blue bars will appear indicating the training load for that microcycle (week). By using the arrows you can move between microcycles or directly clicking one of the bars or even selecting the date from the calendar on the left.

• • •																				Pla	nnin	g																									
Modify group Macrocycle Mesocycle		(	Сору			FC	DX Jes	isica		0	Detai	ls		2020	)	٥)				(	Ś	<u>S</u>	)(	Ç								Imp	oort s	easo	n									Ac	dd di	nta	
Jul 2020 🛛 🕯 🖲	▶ 1	2	3	\$ 5	6	7	8 9	10	11	12	13 14	15	16	17 1	18 19	20	21	22	23	24	25 2	26 23	28	29	30	31	32	33	34	35	36	37	38 3	89 4	0 4	1 43	2 43	3 44	45	46	47	48	49	50	51	52	
Mo         Tu         We         Th         Fr         Sa         Sa<	5 12 19 2 9																																	Div Talina	001 10690												
1	20																																														
	90																																														
,	30																																														
	30																																														
1	50																																													1	
	10		Home Trainir World	ng Ca	mp	shin																																									
Microcycles	50		Contin	ental	Chan	npion	nship		Inte	neitu	1		-	Ma	0.000	olo	-		-	Ma		olo					-	-		-	-	_	_			Go	als	-	-	-	-	-					i i
Total session Volume (h)	S		Select CF Ra	ion R	ace				50	).0	0			W	rite he	ere				Wr	ite h	ere					F				Tech	nical				F				Phys	iolog	ical					
Training Scor	e	Ī	okyo		mes			5																																							
Microcycles	5								Н	lealth Heal	status																									F				М	enta	I		_			
Water test Endur, test																																															
Blood test																																															

By pressing "e" once a week is selected, you can edit that week for adding more specific details such as the location, the training load, the health status, the goals...

By clicking the number of the microcycle once it is selected a new window will appear. There you can add different sessions for the week, as well as any test (medical, effort...) pdf, or even export the events to the calendar.

					Microcycle	creator					
Team	M	ticrocycle	Macrocycle		Import week	110					
ECD		40	Write here			100					
LJP		40 >			Print pfd test	80					
		^	Microcycle		View	70					
	<b>W</b> 1	· ·	Mana will be be			60					
	токуо				1 2	50					
Add	test		Export to caler	ndar		30					
nday 2	11	Favs Session envir Title Olympic Gam Description Close	onment White Water	Type Race Rhyth	New Session Time 03:00 Europe/Ljubijana C Move to:		Location Tokyo Ouantities Volume (h) 1.0 Intensity 1.0 Training Score 1.0 Focus BT TTF RP 1 1 0 1 0 1 0	urday	26	Sunday Tokyo Olympic Games 10:00	
	Team ESP Add	Team b ESP < Tokyo Add test	Team Microcycle ESP < 40 > Tokyo Add test Iday 21 Favs Session envir Title Olympic Gand Description	Team     Microcycle     Macrocycle       ESP     40 >     Write here       Tokyo     Name will be h       Add test     Export to cale         Image will be h       Add test     Opport to cale         Image will be h       Image will be h         Add test         Even         Image will be h         Image will be h	Team     Microcycle     Macrocycle       ESP     40 >     Write here       Tokyo     Microcycle       Add test     Export to calendar         Inday     21     Fare       Session environment     White Water       Title     Type       Oympic Games     Racc         Description     Bhyti	Team       Microcycle       Import week         ESP       40 >       Write here       Print pld test         Tokyo       Microcycle       View       1 2         Add test       Export to calendar       1 2         Inday       21       Ferrer       New Session         Inday       21       Ferrer       New Session         Inday       21       Ferrer       Race         Inday       21       Ferrer       New Session         Inday	Team     Microcycle     Import week     10       ESP     40 >     Write here     Print pld test       C     Microcycle     Ver       Tokyo     Nare with the here     2       Add test     Export to calendar         Microcycle     Ver       B     0         Add test     Export to calendar         Image: Session environment     White Water         Pescription     Ringthin         Image: Session     Move to:         Objectifyion     Empty session         Move to:	Team       Microcycle       Microcycle       Import week       Import week       Import week         SSP<	Team Microcycle Macrocycle Import week SBP < 40 > Write here Print pid test Colyo Microcycle View Tokyo Microcycle View Add test Export to calendar Microcycle View 1 2 Add test Export to calendar Microcycle View 1 2 Microcycle View	Team Microcycle Macrocycle Import week SSP < 40 > Write here Print pfd test SSP < 40 > Microcycle Prez Coyo Narwe will be here Print pfd test State State State Provide Prez Add test Export to calendar 2 Microcycle Prez Session environment White Water © Groupold Jobjana © Tokyo Title Olympic Games Race Volume (h) 10 Pecription Bhythm Training Score 10 Free State St	Team       Macrocycle       Import week         ESP<

In the new session window, you can add information about the session, for a later statistics. Also, in the top left corner, there is a button for adding directly the session from your favorite sessions.

This is a totally customizable section, allowing the coach to create their own sessions database for a future use.

#### SEASON LIST

Every time a session is recorded with <u>Run Monitor Eye</u> or an event has been analyzed with <u>splittaker</u>, a .rmx file is created and placed in the same folder where the videos are. Season List finds inside a given folder for all those .rmx files, reads them and then puts the information of each event in a nice table. For starting to use it, press "command" + "i" for importing the desired folder.

•••							S	eason L	ist							
Year M	All	All	All	All	All	All	All	All	Rese	et search	Tag search	Athletes s	earch		All	
Date	Location	Water	Session type	Event	Ph./sections	Cat.	Туре	BM	Course	Comme	Tags	Athlet	es	Time	Pos	
2019.12.07	Tacen	ww	Training	Technique	4					false	1/4 + 1/2 + 1/1 + 1/2 + 1/4	NOVAK	Ajda			
2019.12.07	Tacen	ww	Training	By sections	2					false	2.5	KAUZER	Peter			
2019.12.10	Tacen	FW	Training	Technique	2					false						
2019.12.12	Slovenia	FW	Training	Technique	5					false						
2019.12.13	Tacen	WW	Training	Technique	5					false						
2019.12.14	Tacen	FW	Training	Loops	3					true						
2019.12.24	Pau	WW	Training	Technique	1		Changing			false						
2019.12.26	Pau	WW	Training	By sections	3					true						
2019.12.27	Pau	WW	Training	Technique	7					false						
2020.01.11	Slovenia	FW	Training	Technique	2		8 Test			true						
2020.01.16	Penrith	WW	Training	Free	1					true	Main Analyzer					
2020.01.16	Penrith	ww	Training	Technique	1		Changing			true						
2020.01.17	Penrith	WW	Training	By sections	2					true	Report modifier					
2020.01.18	Penrith	WW	Training	By sections	2					false	Eoldor Blavor					
2020.01.18	Penrith	WW	Training	Technique	3		8 Test			true	i older Player					
2020.01.19	Penrith	WW	Training	By sections	4				<b>a</b>	true	Results table					
2020.01.21	Penrith	ww	Training	Loops	3					true						
2020.01.21	Penrith	WW	Training	Technique	3					false	SplitTaker					
2020.01.22	Penrith	ww	Training	By sections	3					true	Finder					
2020.01.22	Penrith	ww	Training	Technique	ь					true	Finder					
2020.01.23	Penrith	ww	Training	By sections	2					true		Filter by	Watched	To watc	h All	
2020.01.23	Penrith	ww	Training	rechnique	3		Consistency			true	Commenter		Mark	all as watch	hed	
2020.01.24	Penrith	VV VV	Training	Loops	4					true	Comments:					
2020.01.25	Penrith	WW	Training	Toobpique	4					true		Comments search				
2020.01.25	Penrith	WW	Training	By sections	4					true	1/4 + 1/2 + full + 1/2 + 1/4					
2020.01.20	Penrith	WW	Training	Technique	3					true						
2020.01.27	Test	ww	Training	By sections	4					false						
2020.01.28	Penrith	ww	Training	By sections	3					true						
2020.01.28	Penrith	ww	Training	Technique	3					true						
2020.01.29	Penrith	ww	Training	Loops	1					false						
2020.01.30	Penrith	ww	Training	By sections	7					false						
2020.01.31	Penrith	ww	Training	By sections	2					false						
2020.01.31	Penrith	WW	Training	Free	1					true						
2020.01.31	Penrith	ww	Training	Technique	3					false						
2020.02.01	Penrith	ww	Training	By sections	4					false						
2020.02.01	Penrith	ww	Training	Full runs	3					false						
2020.02.01	Penrith	ww	Training	Technique	1		Changing			true						
2020.02.02	Penrith	ww	Training	Full runs	4	_				false						
2020.02.02	Penrith	ww	Training	Technique	1		Changing			true						
2020.02.02	Penrith	ww	Training	Technique	2					true						
2020.02.04	Penrith	ww	Training	By sections	3					false						
2020.02.04	Penrith	ww	Training	Free	1					true						
2020 02 04	Doprith	MAN	Training	Technique	4					truo						

On top of the window you can search for a specific location, athlete or even a tag (if you have previously added any). Once you have selected one session, go to analyze it with "Main Analyzer" or any other analyzing tool we offer.

IMPORTANT: This part is still under development.

With the similar idea of the <u>Season List</u>, here a folder is selected by pressing "command" + "i". After doing so, all the .rmx files will be read for creating statistics with penalties and times.



Find your desired athlete in the top left, select the desired season (if there are more than one) and press "Add". Switch between Penalties, Percentages or Both for getting a different graphs. In this example, the penalty distribution function of Jessica Fox is shown for the 2019 season. It is possible to select only one phase of a competition by deselecting the phase you do not want.

## COURSE DESIGNER



Old prototype. There is a better one in the iOS app.

This will be improved in the future.

## DATA CREATION

The key part of the program: where all the data is created.

#### **SPLITTAKER**

The tool for creating the .rmx file. For each event, create a .rmx file to put together with the video files. In order to do that, import the video of the first athlete by pressing "i". Fill the athlete info (name, phase, real time...) and bring the video to the start point. Once there, press "s" for starting the split. Fast forward to the next reference point and press again "s". Repeat the process until reaching the previously set up split number. Finally press "Save" to save it. After completing it, press again "i" to add the following athlete's video.



In the lower part of the window, you can add more information about the event: location, type of race, category, date... Also, you can set the gates to create a better statistical data. In addition, on the right site, you can add the penalties, any comment or fix cameras (if any). This extra information could be really interesting in the future.

#### +TAKER (SOON)

#### VIDEO RENAMER

Have you ever spent time renaming the video files taken by a normal video camera? Have you ever get any complain from the athletes that there is a mistake? Well, probably this tool will save you a lot of time.



Simple import a folder where the videos are and click in the video name on the right table. The selected video will appear on the screen and you can change directly the name of the file down where "name" is. It can be changed following Run Monitor protocol (.rmx compatible) or a totally different name, that will be up to you.

#### ATHLETE RENAMER

Doing mistake is part of human being. If you have entered a name not correctly in RM Eye or in Splittaker, this tool will help you correct the mistake. In RM Eye the videos are saved using the name of the athlete, therefore, if, for example, you put wrong one letter all the videos will be with a wrong name too. Change all of them one by one? Please, use "Athlete Renamer"!

Import a folder and it will find all your .rmx files inside of it. Select the athlete which name you want to change, type the new one and press change! That easy! Even the videos are now corrected.

Working with more than one coach and you are doing more than one section? This tool allows you to merge more than one .rmx file for getting all the data into one. Simply select the number of sections you did in the session, import the .rmx file for each of them and export the new one!

		Split Mixer		
Split number:		Spli mixe	t er	Export
Import 1 Status:	Import 2	Import 3 Status:	Import 4	Import 5
Waiting	Waiting	Waiting	Waiting	Waiting
				emove old files

Just keep in mind few tips while you are using RM Eye:

- 1. Use EXACTLY the same name (Respect the capital letters also!)
- 2. Set all the RM Eye apps with the same TOTAL SPLITS.
- 3. Take video and times ONLY in your section, leave the rest as they were

Have you used Run Monitor in the past? Did you create a lot of data with it? We were using a different file system, so if you want to recover everything, use this tool.

			Converter		
		2019 versions	(.rmw, .rme, .rmp) -	-> .rmx	\$
S	elect folder	(.rmw, .rme, .r	rmp) -> .rmx	Convert	
I	Number of files:	0			Delete old files?

Select the folder and RM will search for all the .rmw, .rme or .rmp files in it. Press "Convert". And done!

If you want to delete the old files, check the box before converting.

Data was created. Now it is time to analyze it.

#### MAIN ANALYZER

Once we have our .rmx file (either has been created from Splittaker or RM Eye), We have to go to "Main Analyzer".



Press "command" + "i" for importing the previously mentioned .rmx file and you are read to go. Use the arrows (up/down for changing the athlete or right/left for switching between sections) or simply click on the table to bring a video.

In this mode, there are multiple of keyboard shortcuts. They can be displayed anytime by clicking the help button on the left side of the window.

The shortcuts are the following:

- <u>Command + i:</u> Import split file
- Arrow up/down: change/select athlete
- <u>c:</u> Select athlete to compare
- <u>e:</u> Export video comparison
- <u>f:</u> Full window view
- g: Show/hide graph
- <u>p:</u> activate/deactivate drawing
- <u>a:</u> Slow motion backwards
- <u>d:</u> Slow motion forward
- <u>enter/space:</u> Play/pause video(s)
- esc: Full screen mode
- <u>s:</u> Change speed of video





Showing the graph will also activate boat motion view (if there is any boat motion file within the videos folder). As shown below, you can choose what parameters to plot, simply by clicking on them.



## SPLIT TABLE

8 - 8						Split table							
Import	Delete data	Splits	Perc	entage	Accumu	ulated splits	Accu	mulated p	percentage	e )		S	ave as picture
	Name	1	Phase	Split 1	Split 2	Split 3	Split 4	Split 5	Split 6	Split 7			Total
	KAUZER Peter		SF	7.63	15.43	16.54	13.4	8.63	14.69	9.36			85.68
	PRSKAVEC Jiri		SF	7.09	13.84	16.16	13.0	8.43	13.92	9.26			81.7
	NEVEU Boris		SF	7.4	14.26	16.47	11.73	8.35	14.57	8.95			81.73
	OSCHMAUTZ Felix		SF	7.51	13.53	15.86	13.39	8.75	13.8	9.46			82.3
	PRINDIS Vit		SF	7.49	14.54	16.92	11.55	8.57	14.16	8.83			82.06
	SRABOTNIK Martin		SF	7.83	14.17	16.82	12.31	8.54	15.36	9.38			84.41
	EIGEL Pavel		SF	7.45	14.07	18.12	13.19	9.98	14.95	8.98			86.74
Compa	re J												
Compa	lie												Remove Row
Name		P	hase	Split 1	Split 2	Split 3	Split 4	Split 5	Split 6	Split 7	Total	Sprint	Real Time
Save co Saving se	omparison ettings:						□ Penal ✔ Real <sup>-</sup>	Ities Time					

A simple way of seeing the times from a .rmx file. Import pressing "i" and the times will appear in the table. Compare by selecting one athlete and pressing the compare button. Also, you can save the table into pdf or png files.

#### SIMPLE COMPARISON

Sometimes there is no .rmx file. If you would like to compare quickly two videos, simple comparison is the best tool for doing it.



Drag a video file to the video player and you are ready to go! Play the videos y pressing space/enter. You can activate the chronometer by clicking on it. The second click is for stopping, while the third one will show the difference between the two (like shown above).

The rest of the keyboard functions are the same as in "Main Analyzer", such as exporting or playing with different speeds.

#### FOLDER PLAYER

If there has not been any time for changing the video names and creating a .rmx file for one session where the videos where not taken with RM Eye, Folder Player can be a good solution.



Import a folder by pressing "i". All the video files will appear on the right table. Select one by clicking on it and enjoy the session review.

Also, multiple analyzing function are available like in Main Analyzer. Compare two athletes by pressing "c" or play at slow motion.

#### MEASUREMENT PLAYER

Finally, the last video analyzing tool: the measurement player. Measuring angles is something already included in Main Analyzer, but here you can do much more.



It is possible to measure the distance, but only when the camera is fixed. First, use the calibration tool for identifying the boat: select the kind of boat, click on the nose and drag until the end of it. Now press in the distance button, you are ready.

One example is to see the distance traveled with one stroke. Position the video in the frame where the stroke is about to begin, and click in the nose of the boat. Then, fast forward to the end of the stroke and click again in the nose (it will not be the same point!). The traveled distance will appear in the screen.

With the same approach, many things can be measured.

## OPTIONS ANALYZER

# LIVE ANALYZER

	Ar	nalyzer	01				10A - 0 -
		No col	or	Style 1	Style 2	(	Remove
00.00	Name		Choic	e	Time	Coments	
Deast	DE GENNARO G	iovanni	Spin		9.51	Clean	
Reset	KAUZER Peter		Forw	ard	9.75		
12-15	PRSKAVEC Jiri		Forw	ard	9.82	+2	
Surname Name							
Choice							
Spin							
• Forward							
Choice 3							
Coments							_
	Saving settings	: 🔽 .p	ng	🗸 .pdf			Save

#### VIDEO ANALYZER



BOAT MOTION

BOAT MOTION

BOAT MOTION PRO

TESTS

8 TEST

SPRINT TEST