



Team Telemetry Manual Guide

Team Telemetry is developed by JL Desert to obtain telemetry data for F1 series games. You can view more intuitive timing tables, weather information, vehicle status, rival status, etc. than in the game through the telemetry data obtained on Team Telemetry. In order for everyone to better use Team Telemetry, you can solve your questions by flipping through the manual guide. If you have any other questions or suggestions, you can contact us through the following methods.

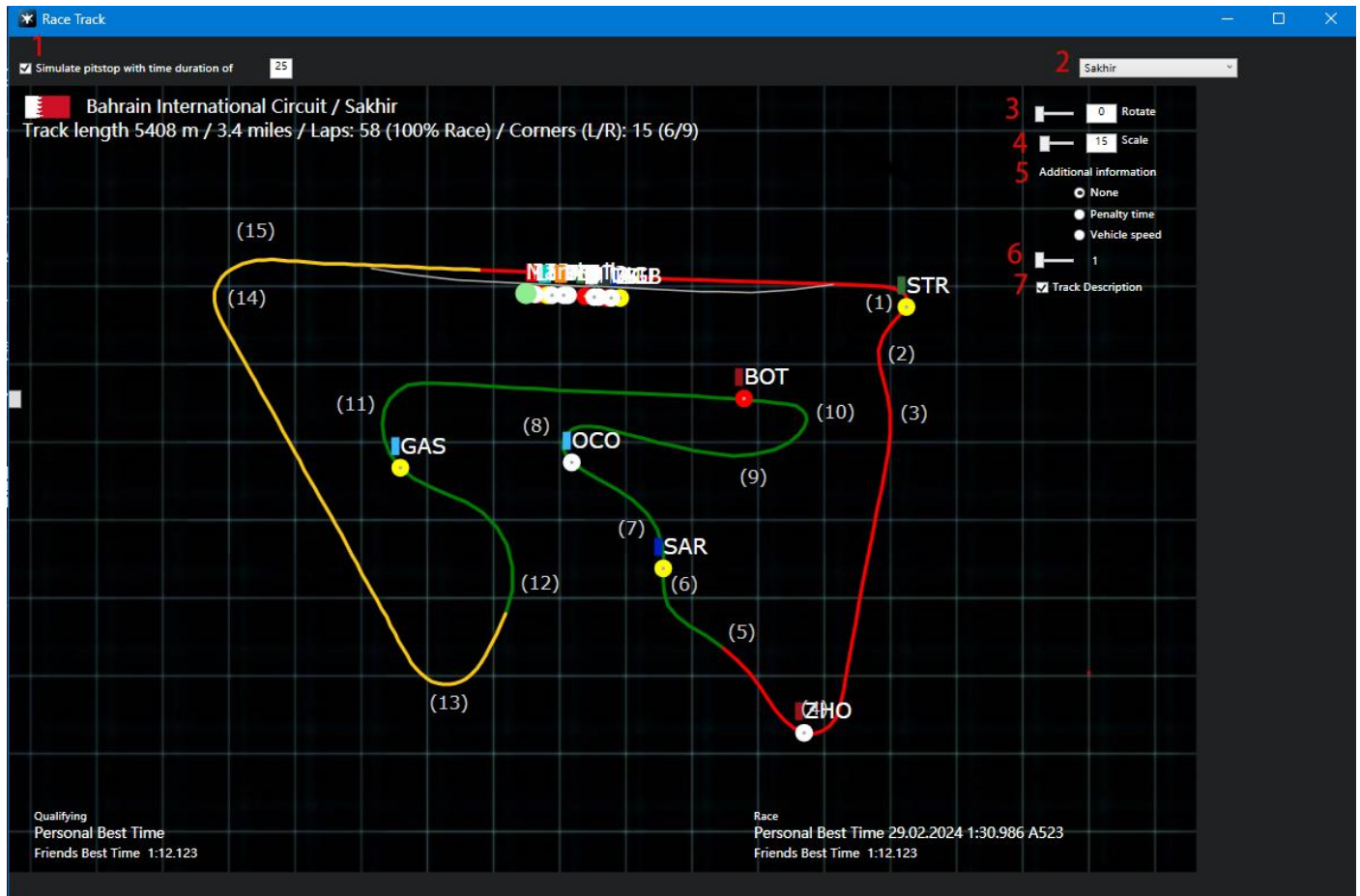
Team Telemetry website: <https://www.teamtelemetry.de/>

Discord: <https://discord.gg/euHG8fNKpG>

TABLE OF CONTENTS

Race Track.....	3
Q Timing Table	4
Timing Page	5
Vehicle Status	6
General	6
Setup	7
Tabwindow	8
Race Strategy.....	8
Track Map.....	9
Q timing Table	9
Timing Table	10
Vehicle Status	11
Rival (not finished yet!!!!).....	12
Setup	13
Career.....	14
Statistics.....	15
RacePrep	16
Stream Overlay	17
Options	18
GameOverlay.....	18
TabWindow	19
Details	20
Database	21
UDP	22
Multiplayer	23
Update	24
About	25
Debug	26
Save Layout	27
Load Layout.....	28
Reset	29
Final Classification	30
Finish	30
Details	31
Database	32
Hall of Fame.....	33
Other info.....	34

Race Track



- 1: enable simulated pitstop exit as a full red dot (can be edited pitstop time)
- 2: select track map
- 3: rotating track diagram
- 4: enlarge or shrink the track map
- 5: select additional information that needs to be added (none/penalty time/vehicle speed)
- 6: update frequency
- 7: check to enable description of track corners (If the turn has a name, the name will be added next to the turn number)

Q Timing Table

Time Remaining 04:11 Theoretical Best Time 1:31.293 Cars On Track 0									
Pos	Driver	Best Lap	Gap	S1	S2	S3	Laps	Tyre	Status
1	LECLERC	1:31.294		29.302	39.468	22.523	0	S	IN PIT
2	HAMILTON	1:31.413	+0.119	29.323	39.530	22.559	0	S	IN PIT
3	ALONSO	1:31.548	+0.254	29.373	39.559	22.615	0	S	IN PIT
4	SAINZ	1:31.577	+0.283	29.393	39.591	22.592	0	S	IN PIT
5	NORRIS	1:31.726	+0.432	29.450	39.645	22.630	0	S	IN PIT
6	PIASTRI	1:31.873	+0.579	29.454	39.767	22.651	0	S	IN PIT
7	RUSSELL	1:32.001	+0.707	29.399	39.964	22.637	0	S	IN PIT
8	PEREZ	1:32.081	+0.787	29.864	39.502	22.715	0	S	IN PIT
9	STROLL	1:32.174	+0.880	29.529	39.874	22.771	0	S	IN PIT
10	OCOON	1:32.234	+0.940	29.581	39.892	22.759	0	S	IN PIT
11	GASLY	1:32.273	+0.979	29.579	39.917	22.776	0	S	IN PIT
12	BOTTAS	1:32.379	+1.085	29.589	39.935	22.855	0	S	IN PIT
13	TSUNODA	1:32.404	+1.110	29.614	39.971	22.817	0	S	IN PIT
14	ALBON	1:32.432	+1.138	29.621	39.975	22.836	0	S	IN PIT
15	MAGNUSSEN	1:32.469	+1.175	29.640	39.973	22.854	0	S	IN PIT
16	HÜLKENBERG	1:32.470	+1.176	29.661	39.942	22.867	0	S	IN PIT
17	RICCIARDO	1:32.652	+1.358	29.665	40.109	22.877	0	S	IN PIT
18	SARGEANT	1:32.874	+1.580	29.723	40.225	22.925	0	S	IN PIT
19	ZHOU	1:32.914	+1.620	29.669	40.397	22.847	0	S	IN PIT
20	VERSTAPPEN	NO TIME					0	S	IN PIT

Q Timing Table mainly used for qualifying sessions

Pos: Ranking based on the fastest lap time of the drivers

Driver: display the driver's name

Best Lap: the fastest lap for drivers

Gap: the gap between the driver's current fastest lap and pole position

S1/2/3: sector 1/2/3

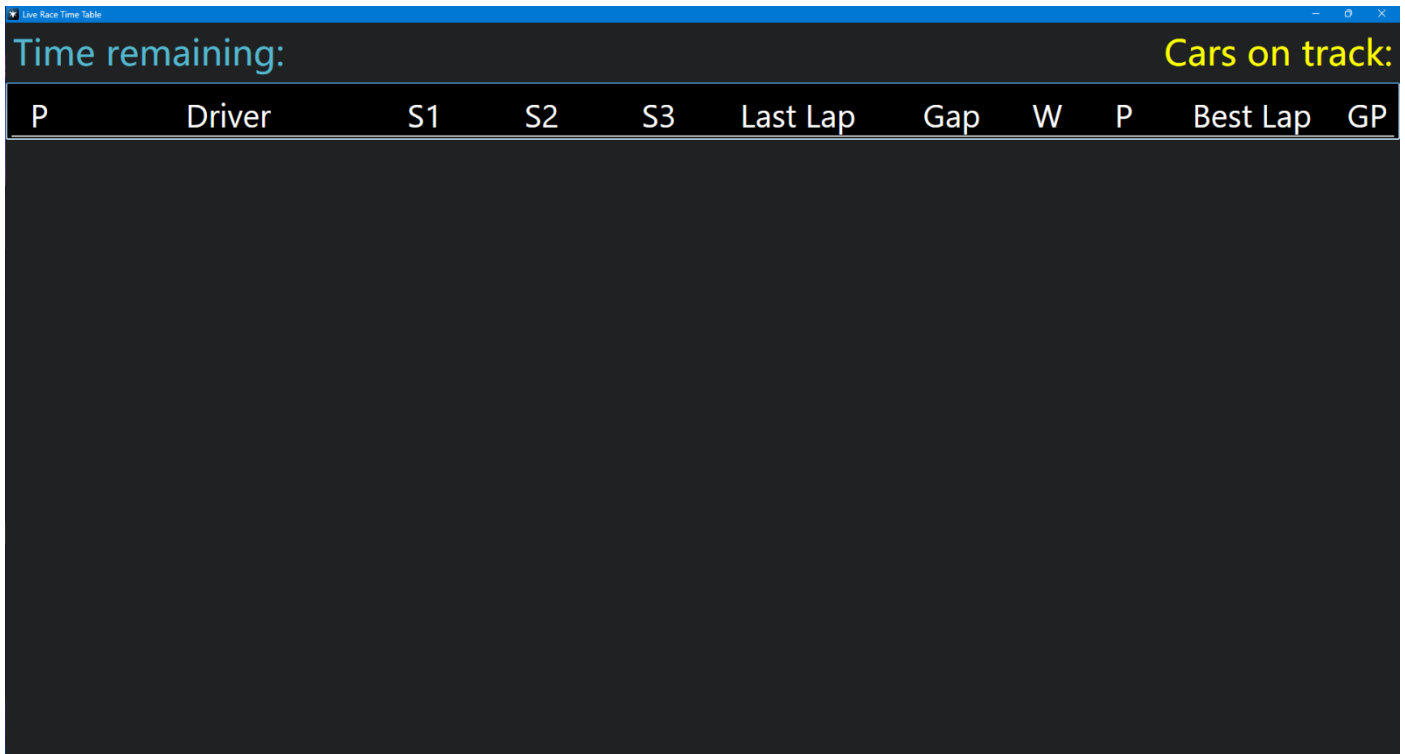
Laps: effective hotlaps for drivers (in multiplayer mode online, due to the different choices of hotlaps by players, there may be some confusion, so there may be errors in the statistics of this function in multiplayer mode)

Tyre: which was used for fastest lap

Status: the current state of the driver (out lap/in pit)

Feature: by double-clicking on the driver's name a new window will be displayed with driver's statistics

Timing Page



Time remaining: Cars on track:										
P	Driver	S1	S2	S3	Last Lap	Gap	W	P	Best Lap	GP

P: position

S1/2/3: sector 1/2/3

Last Lap: the driver's last lap time

Gap/Interval: the gap between each driver and the P1/Interval represents (switch between Gap and Interval by click)

W: warnings (including corner cutting warnings)

P: penalty(the unit is seconds, for example, displaying 2 represents a penalty time of 2 seconds)

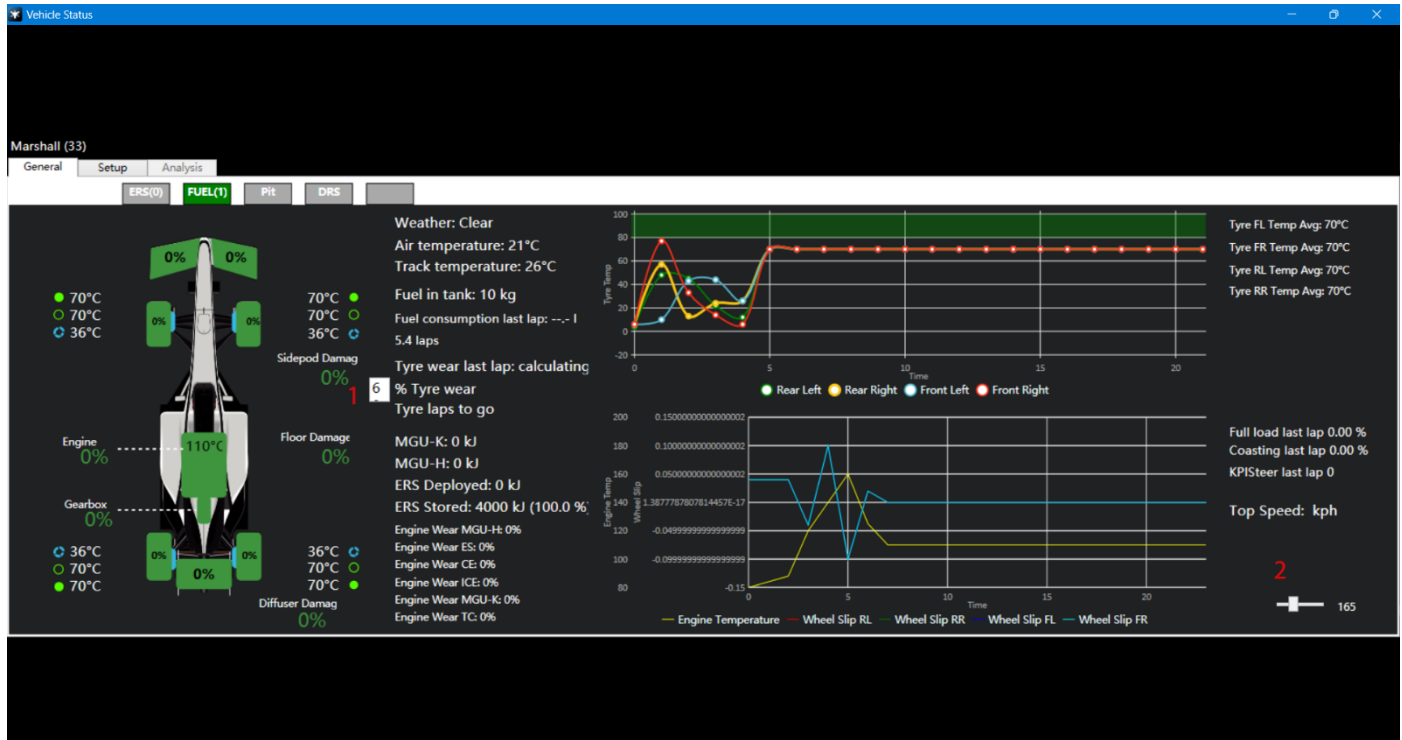
Best lap: the fastest lap time of the driver's own

GP: grid position

Feature: by double-clicking on the driver's name a new window will be displayed with driver's statistics

Vehicle Status

General



- 1: users can customize the wear level target of the tyre, and the software calculates how many more laps can be run with the current tyre worn to the target wear level
- 2: update frequency

Setup

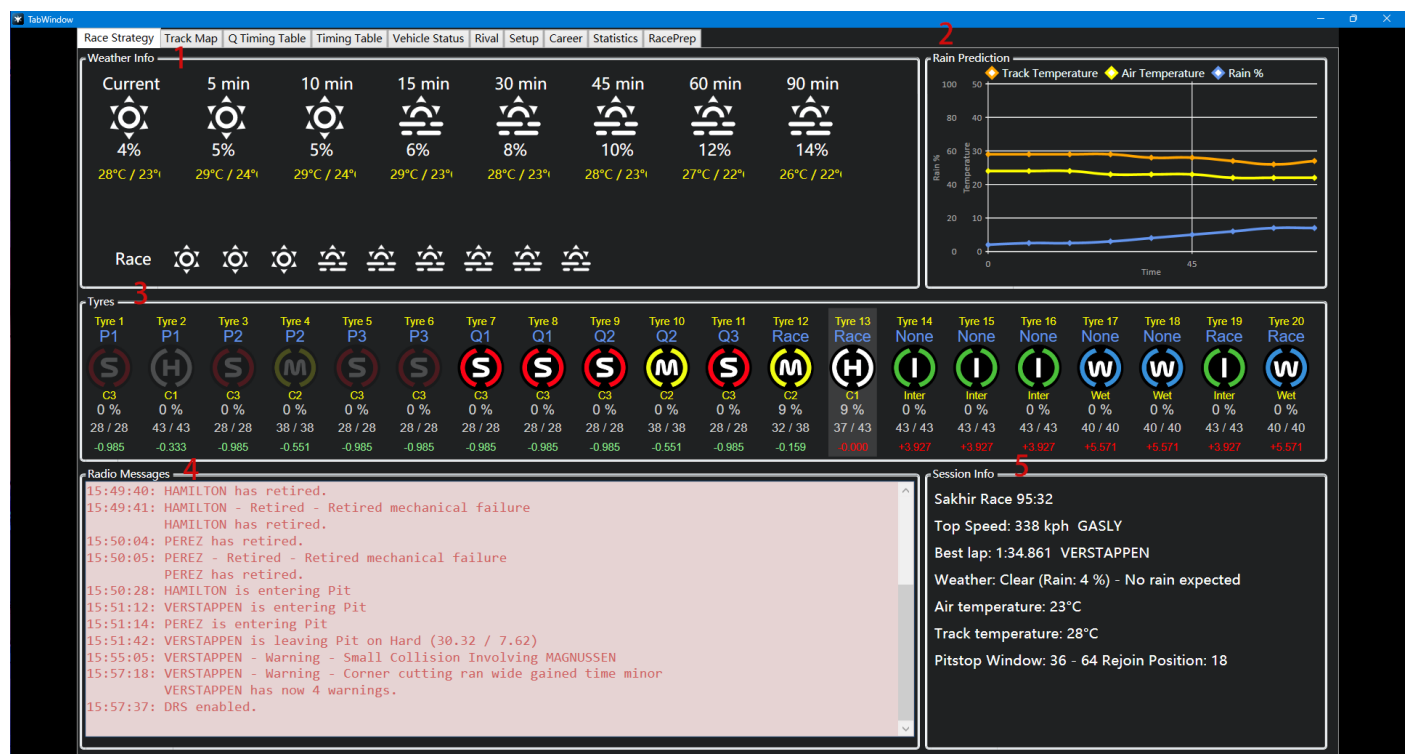
The screenshot shows the 'Setup' tab in the Team Telemetry software. It contains various configuration parameters for a vehicle, organized into two columns. A summary table at the bottom right lists the setup name, number, and comment. Red numbers 1, 2, and 3 are overlaid on the interface to indicate specific actions: 1 points to the 'Setup Name' field, 2 points to the 'Export to .csv' button, and 3 points to the 'Setup Comment' text area.

Setup Name	Setup Number	Setup Comment
DefaultSetup	001	

- 1: name the set up that you want to save
- 2: save locally in Excel format
- 3: add explanatory text to this set up

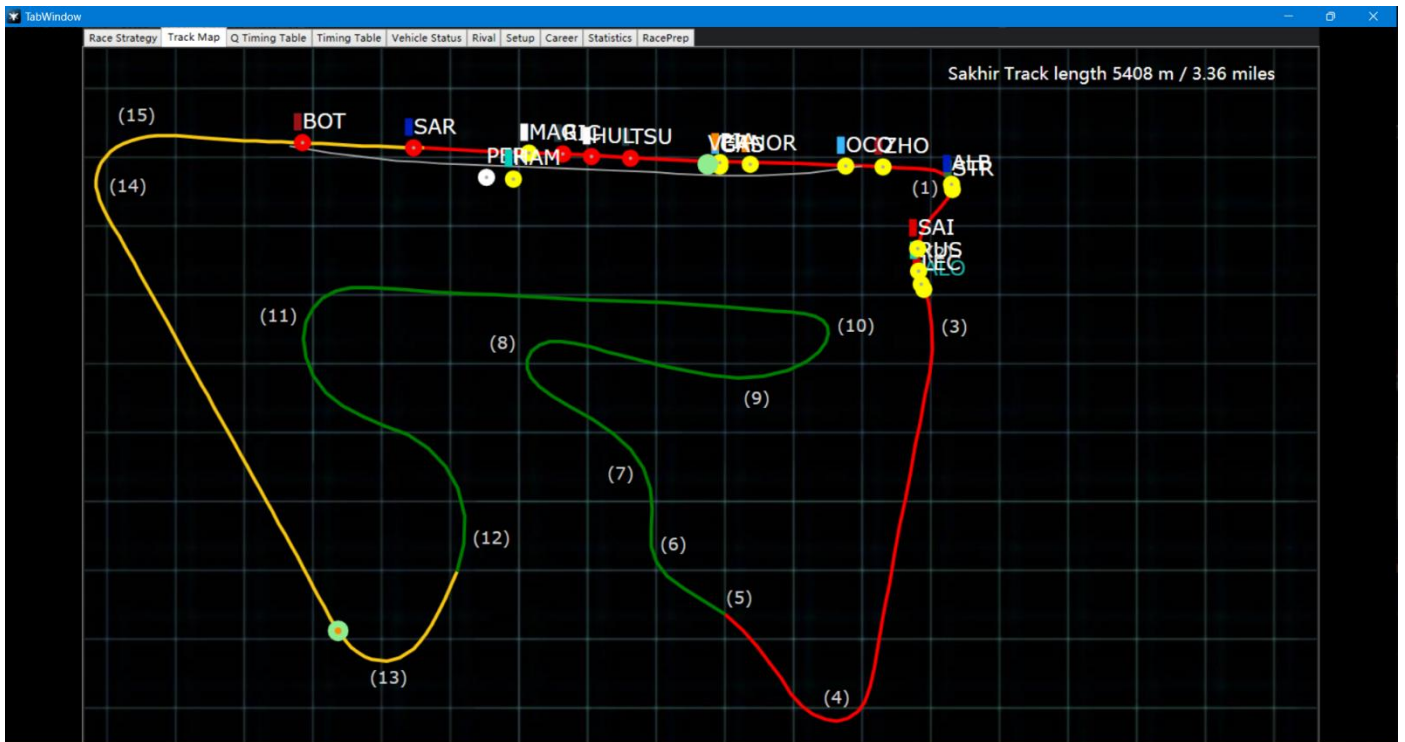
Tabwindow

Race Strategy



- 1: the accuracy of weather forecast is related to the game settings. If it is set to approximate within the game, the forecast in Team Telemetry will also display approximate values
- 2: ^[1] rain% does not represent the probability of rainfall, but rather represents the track humidity / wetness
- 3: the information related to tyres is mainly used for racing, and the delta between different tyres is only evaluated based on the performance of the driver sending telemetry, and does not represent other drivers
- 4: this will display all the messages sent by FIA in the game
- 5: other information about the racing

Track Map



Q timing Table

Time Remaining 08:37 Theoretical Best Time 1:31.169 Cars On Track 0

Pos	Driver	Best Lap	Gap	S1	S2	S3	Laps	Tyre	Status
1	LECLERC	1:31.188		29.325	39.356	22.506	0	Ⓢ	IN PIT
2	SAINZ	1:31.282	+0.094	29.307	39.445	22.529	0	Ⓢ	IN PIT
3	HAMILTON	1:31.416	+0.228	29.332	39.552	22.531	0	Ⓢ	IN PIT
4	NORRIS	1:31.594	+0.406	29.382	39.626	22.585	0	Ⓢ	IN PIT
5	PEREZ	1:31.609	+0.421	29.391	39.604	22.613	0	Ⓢ	IN PIT
6	ALONSO	1:31.704	+0.516	29.415	39.657	22.631	0	Ⓢ	IN PIT
7	RUSSELL	1:31.794	+0.606	29.464	39.714	22.615	0	Ⓢ	IN PIT
8	PIASTRI	1:31.953	+0.765	29.511	39.778	22.662	0	Ⓢ	IN PIT
9	GASLY	1:32.070	+0.882	29.499	39.865	22.705	0	Ⓢ	IN PIT
10	ZHOU	1:32.146	+0.958	29.563	39.817	22.766	0	Ⓢ	IN PIT
11	ALBON	1:32.168	+0.980	29.532	39.882	22.752	0	Ⓢ	IN PIT
12	OCON	1:32.215	+1.027	29.544	39.930	22.740	0	Ⓢ	IN PIT
13	STROLL	1:32.245	+1.057	29.579	39.903	22.762	0	Ⓢ	IN PIT
14	HÜLKENBERG	1:32.288	+1.100	29.591	39.886	22.810	0	Ⓢ	IN PIT
15	MAGNUSSEN	1:32.378	+1.190	29.629	39.900	22.849	0	Ⓢ	IN PIT
16	RICCIARDO	1:32.409	+1.221	29.575	39.985	22.847	0	Ⓢ	IN PIT
17	TSUNODA	1:32.422	+1.234	29.621	39.970	22.831	0	Ⓢ	IN PIT
18	BOTTAS	1:32.599	+1.411	29.672	40.064	22.862	0	Ⓢ	IN PIT
19	SARGEANT	1:33.080	+1.892	29.754	40.336	22.990	0	Ⓢ	IN PIT
20	Marshall	NO TIME					0	Ⓢ	IN PIT

Pos: position

Gap: the gap between each driver and pole position

Timing Table

LAP: 15 57 95:27 Pit Speed Limit 80 kph Air temperature: 23°C Track temperature: 28°C											
P	Driver	S1	S2	S3	Last Lap	Gap	W	P	Best Lap		GP
1	ALONSO	31.632	42.116	23.697	1:37.446		0	0	1:35.568	🏆 14	6
2	LECLERC	31.664	41.776	23.914	1:37.355	+0.155	0	0	1:35.507	🏆 14	1
3	RUSSELL	30.877	41.606	23.787	1:36.271	+0.584	0	0	1:35.643	🏆 14	4
4	SAINZ	31.517	41.882	23.737	1:37.138	+1.332	0	0	1:35.431	🏆 14	5
5	STROLL	32.148	42.543	23.891	1:38.582	+4.579	0	0	1:36.192	🏆 14	8
6	ALBON	31.553	41.925	24.705	1:38.184	+5.090	0	0	1:36.050	🏆 14	10
7	ZHOU	31.919	42.898	24.527	1:39.345	+8.072	0	0	1:36.356	🏆 14	12
8	OCON	31.782	43.205	25.095	1:40.083	+8.739	0	0	1:36.287	🏆 14	9
9	NORRIS	31.389	43.773	25.502	1:40.666	+10.257	0	0	1:35.992	🏆 14	7
10	GASLY	31.099	43.984	25.590	1:40.674	+10.750	0	0	1:36.183	🏆 14	13
11	PIASTRI	31.729	43.589	26.460	1:41.778	+10.761	0	0	1:36.287	🏆 14	11
12	VERSTAPPEN	30.364	41.669	30.090	1:42.124	+10.887	4	0	1:34.861	🏆 6 6 8	20
13	TSUNODA	31.175	42.175	24.135	1:37.486	+12.182	0	0	1:36.471	🏆 14	17
14	HÜLKENBERG	31.159	42.381	24.061	1:37.603	+12.838	0	0	1:36.600	🏆 14	14
15	RICCIARDO	31.280	42.337	24.128	1:37.746	+13.341	0	0	1:36.629	🏆 14	16
16	MAGNUSSEN	31.352	42.472	23.985	1:37.810	+13.902	0	0	1:37.416	🏆 14	15
17	SARGEANT	31.466	42.602		1:38.133	+15.941	0	0	1:37.354	🏆 13	19
18	BOTTAS	31.384	42.969		1:38.511	+18.018	0	0	1:37.173	🏆 13	18
19	PEREZ	31.488	42.505	23.544	OUT	+ 9 LAP	0	0	1:35.422	🏆 5	3
20	HAMILTON	30.778	41.468	23.577	OUT	+ 9 LAP	0	0	1:35.333	🏆 5	2

P: position

Gap/Interval: the gap between each driver and the P1/Interval represents (switch between Gap and Interval by click)

W: warnings (Including collision warning and corner cutting warning)

P: penalty (the unit is seconds, for example, displaying 2 represents a penalty time of 2 seconds)

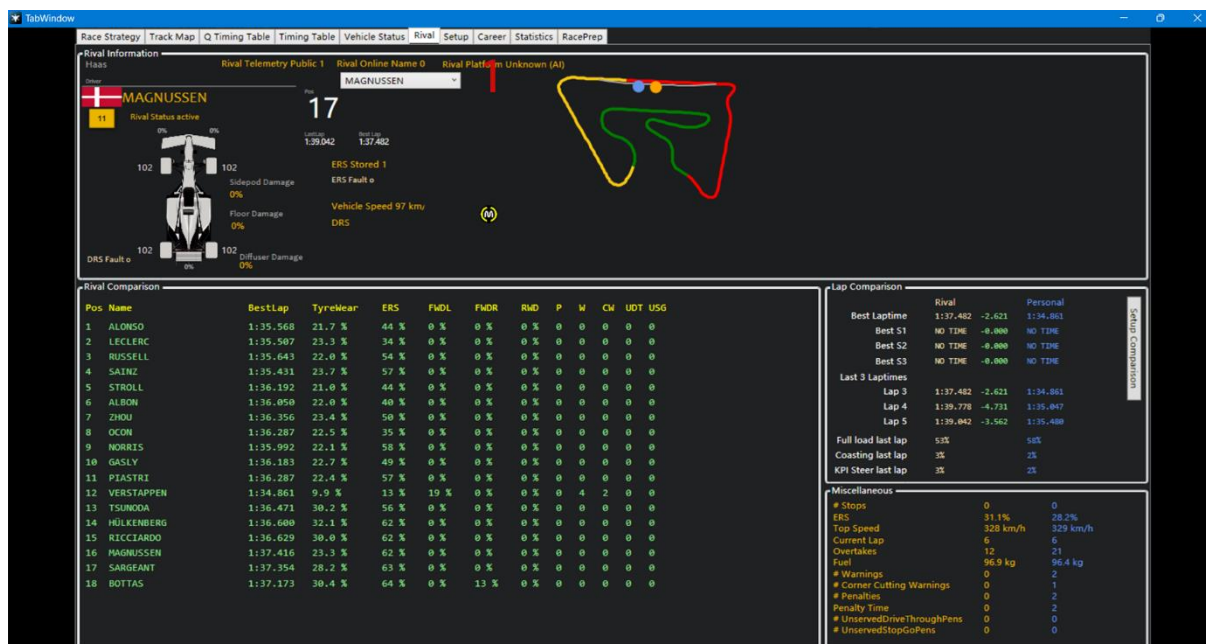
GP: grid position

Vehicle Status



- 1: users can customize the wear level target of the tyre, and the software calculates how many more laps can be run with the current tyre worn to the target wear level
- 2: Users can customize which lap the current tyre needs to run in the race, and the software will calculate the amount of tyre wear after reaching the target lap count
- 3: 1 represents that the user has publicly disclosed telemetry, 2 represents that it has not been publicly disclosed

Rival (not finished yet!!!!)



1: select detailed data of other drivers you want to view

ERS: the driver's current remaining ERS

FWDL/FWDR: front wing damage left/right

RWD: rear wing damage

P: penalty(the unit is seconds, for example, displaying 2 represents a penalty time of 2 seconds)

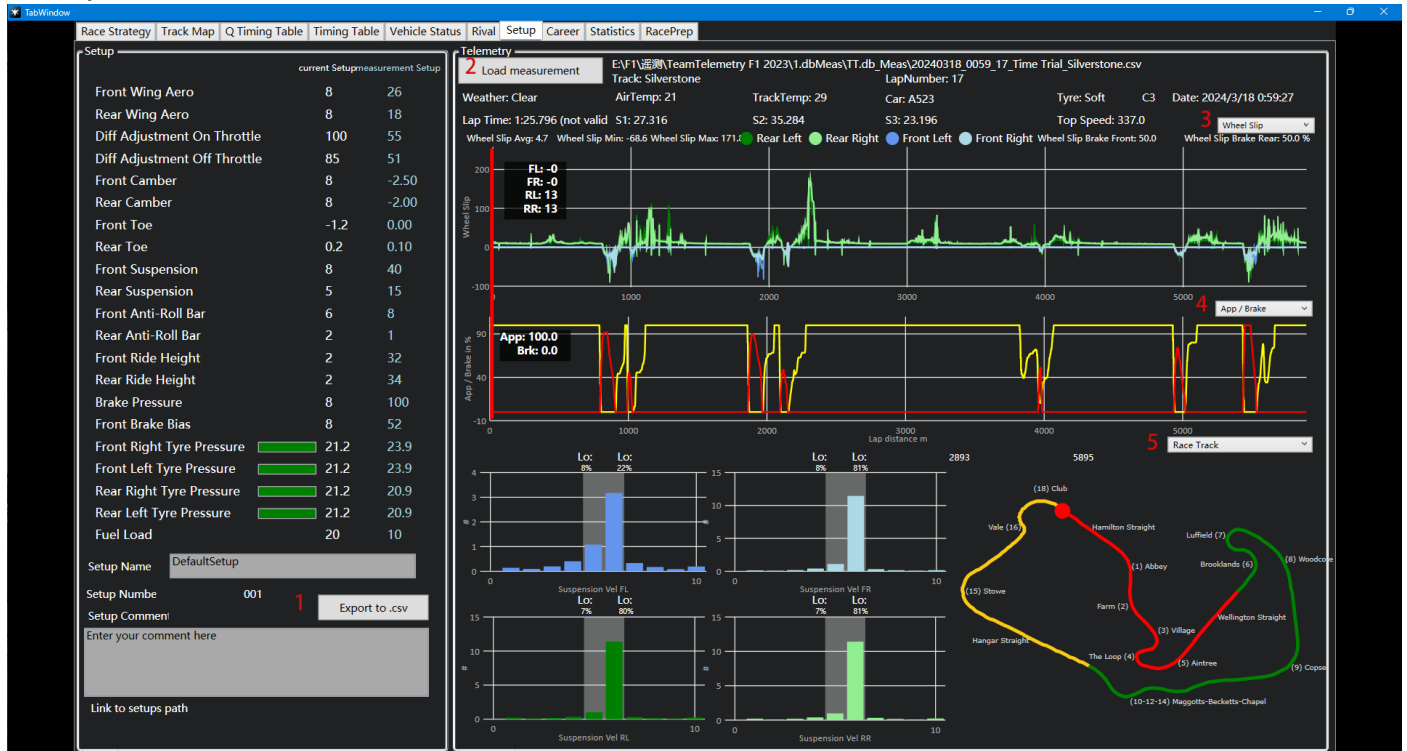
W: warnings(Including collision warning and corner cutting warning)

CW: corner cutting warnings

UDT: unserved driving through penalty

USG: unserved stop&go penalty

Setup

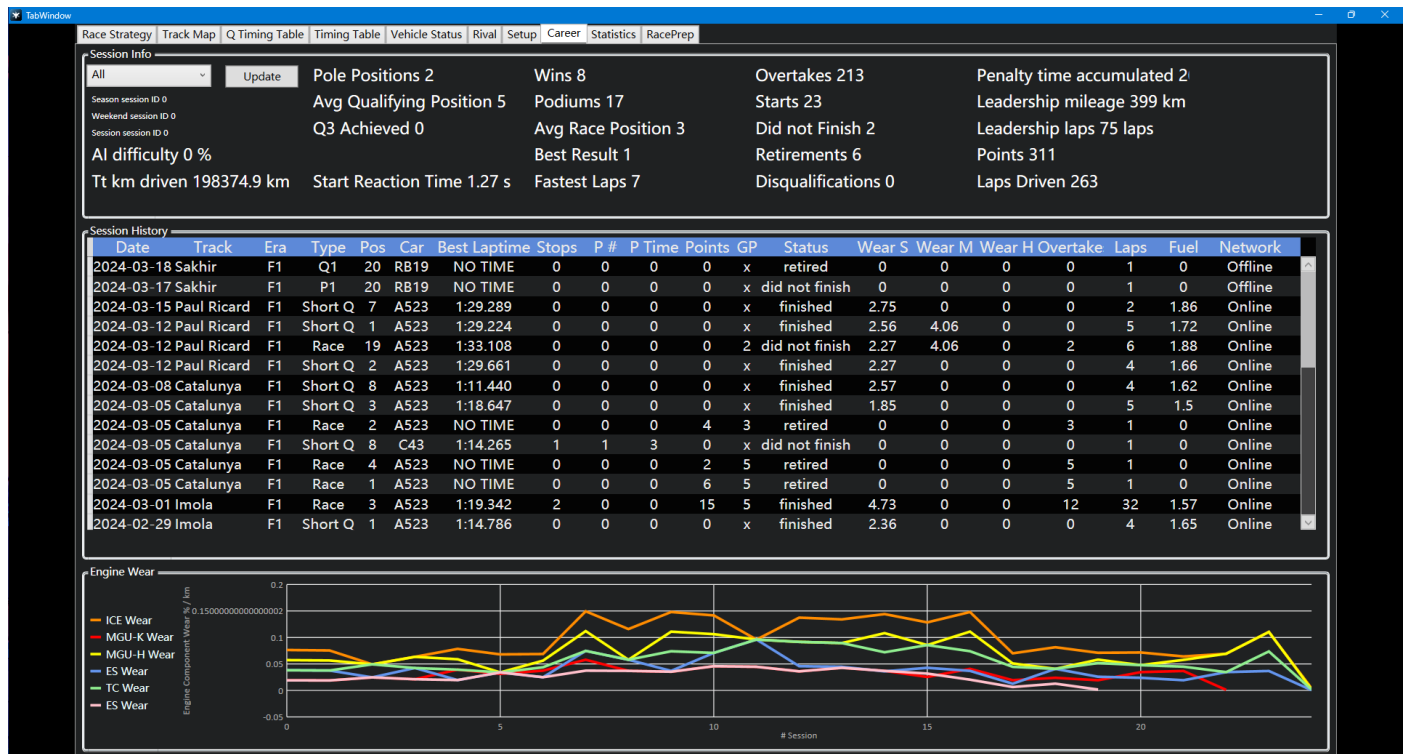


1: save locally in Excel format

2: select the single lap telemetry that needs to be loaded

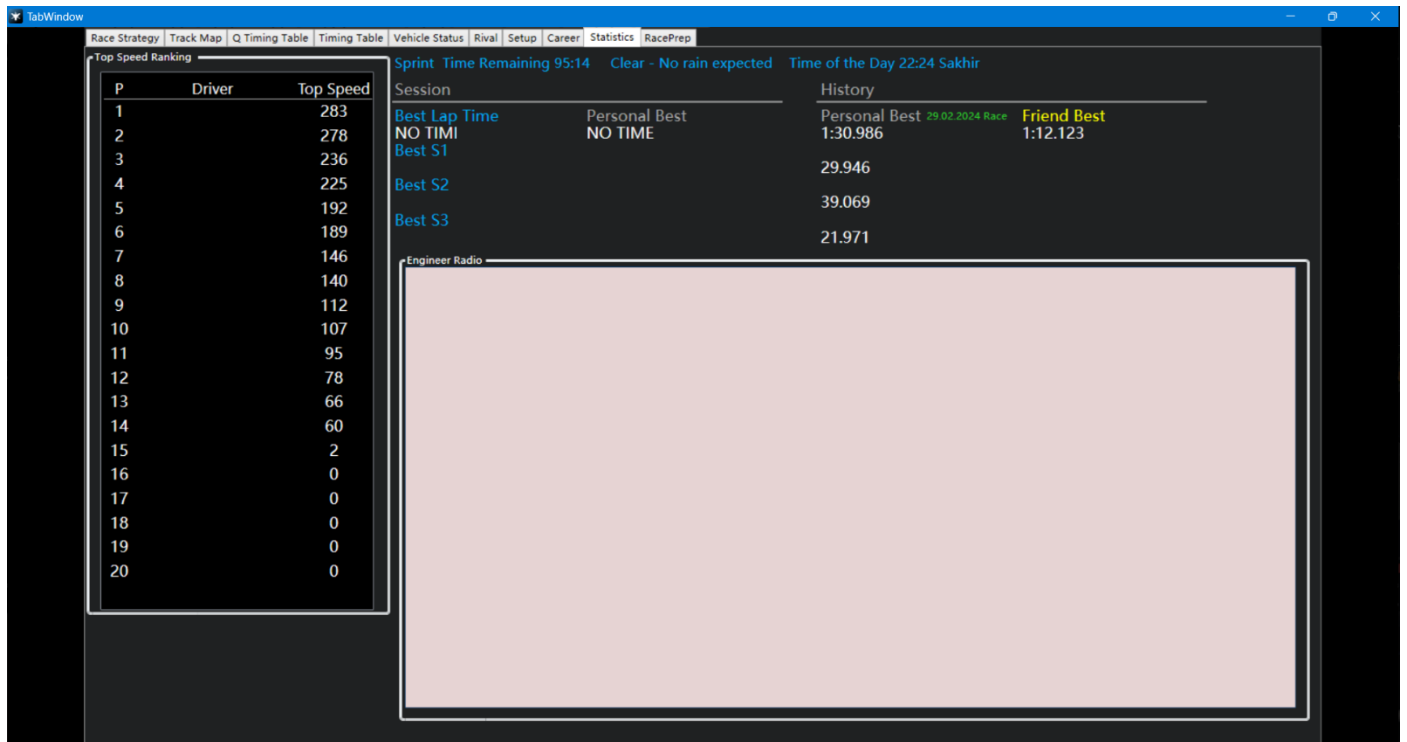
3/4/5: switch the data that needs to be displayed

Career



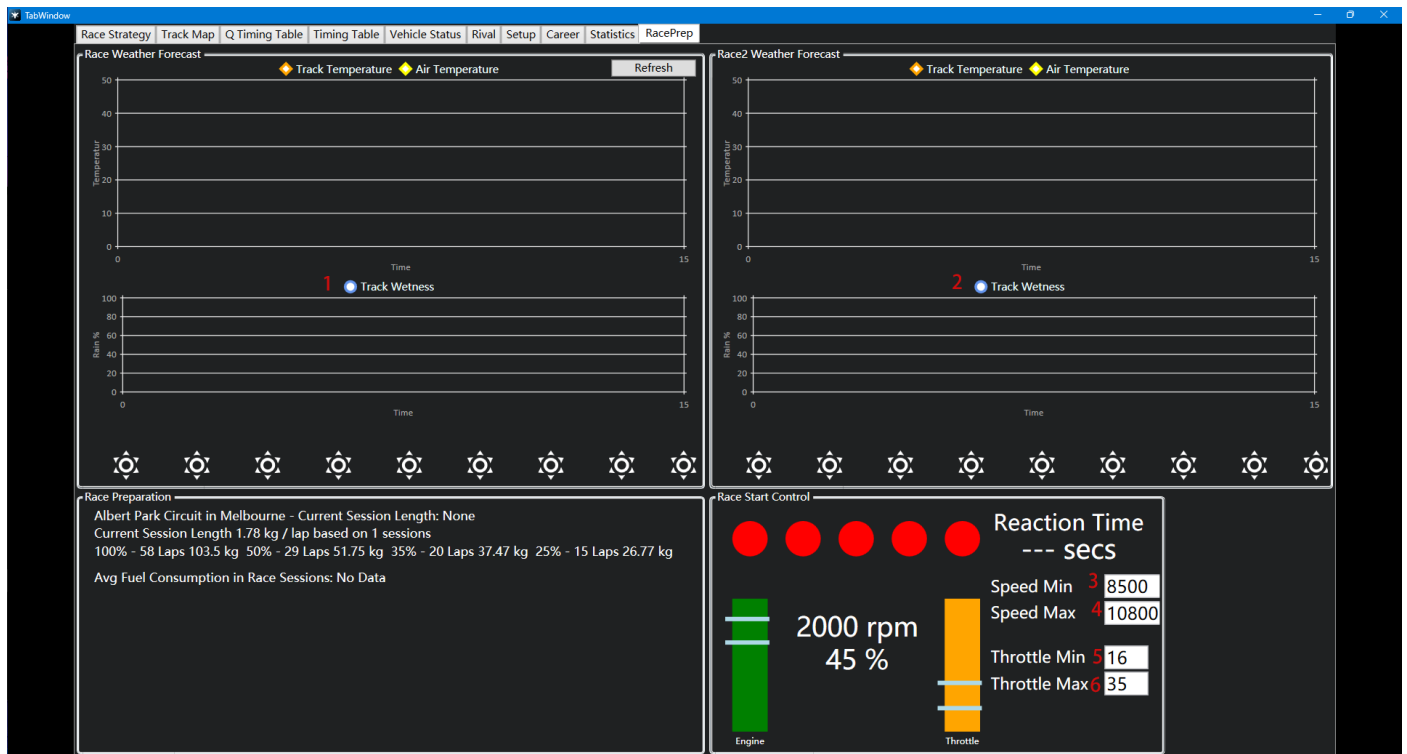
this page not only displays personal or double career, but also shows the Grand Prix tournaments participated in. users can arrange in reverse or positive order by clicking on the title

Statistics



this page can be used in racing

RacePrep



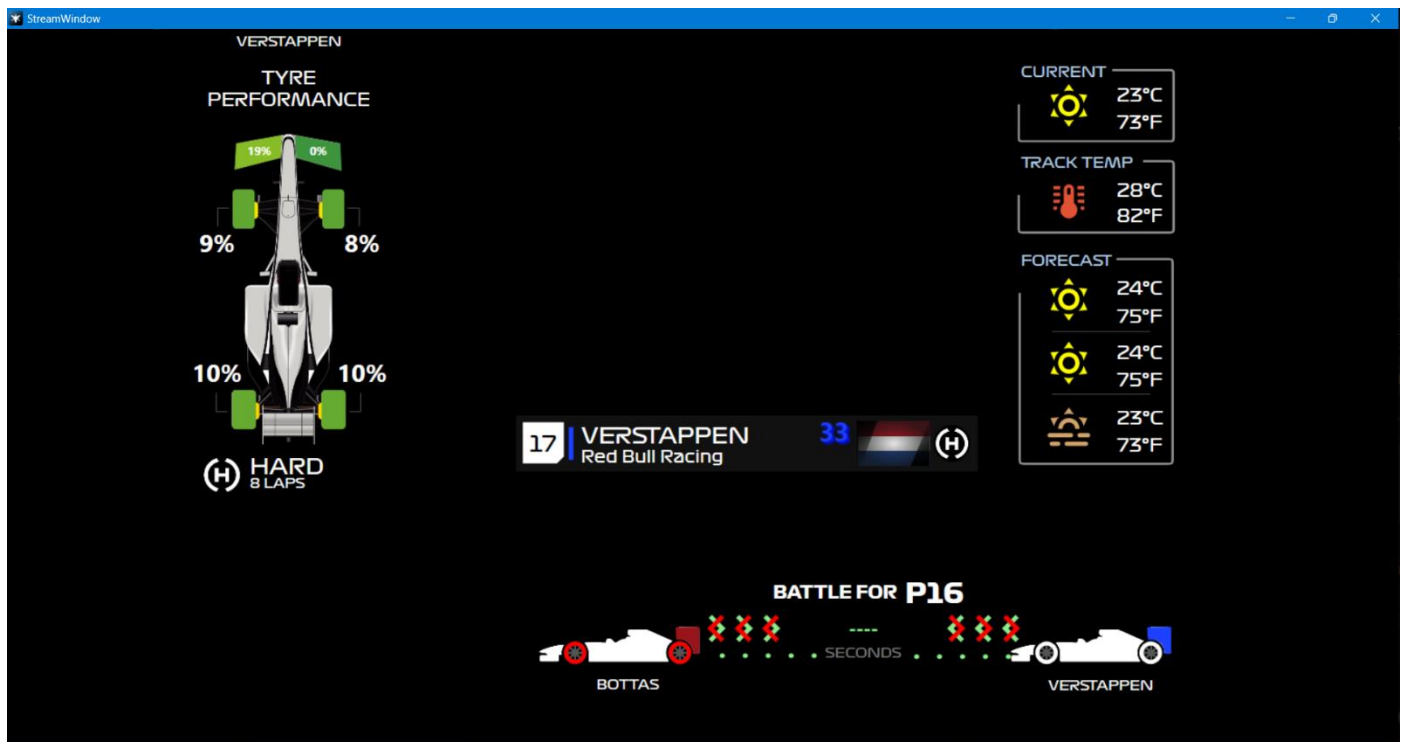
1/2^[1]: track humidity / wetness

3/4: set the engine speed range required for starting the race

5/6: set the throttle range required for starting the race(throttle percentage)

this might be useful for the driver to hold the engine speed or acceleration position in the optimal range

Stream Overlay



this function is mainly aimed at anchors who need to display some data during live streaming, and can display this page to the audience

Options

GameOverlay

The screenshot shows the 'Options' window with the 'GameOverlay' tab selected. The sidebar on the left contains buttons for 'GameOverlay', 'TabWindow', 'Details', 'Database', 'UDP', 'Multiplayer', 'Update', 'About', and 'Debug'. The main content area is divided into several sections:

- Game Widgets:** A checkbox labeled 'Game Widgets' (1) is at the top. Below it is a button 'Enable / Disable all Widgets by Button' (2) and a dropdown 'UDP Action 1' (3) with a value of '1048576'. There are also checkboxes for 'Widget1 disabled in Race' (4), 'Debug Info on' (5), and 'Permanant Session Timer (P/Q)' (6). A radio button group for 'Clock on' (7) has 'Time of the Day' selected.
- Widget Positions:** A table lists six widgets with their x, y coordinates and sizes, each with a slider to adjust the size.

Widget	x	y	Size
Widget 0	456	789	832
Widget 1	1413	8	700
Widget 2	1233	65	629
Widget 3	1427	833	237
Widget 4	415	620	340
Widget 5	82	490	1016
- Widget 2 Info Cycle Butto:** A section with a dropdown 'UDP Action 2' (8) showing '2097152'. It includes checkboxes for 'Position only', 'Interval', 'Last Lap Times', 'Tyre Wear', 'Stops', 'Penalty Times', 'Position Change', and 'Team Logo'. There are radio buttons for 'Percentage' (selected), 'Percentage (estimated)', and 'Laps'. An 'Update frequency' slider is at the bottom.
- Widget 4 Layout:** A section with a dropdown 'Speedo_V1' (9) and an 'Opacity' slider.
- Footer:** A 'Benchmark Evaluation' bar and a 'User-Directory' path 'C:\Users\tiany\TeamTelemetry_2023'.

1: only after checking can it be displayed widgets

2^[3]: set a button to choose whether to display or not to display all widgets

3: enabling this function will add an additional Debug page in the option

4: choose whether to permanently display the Session Timer during practice or qualifying

5: the time displayed here is the real time, not the in-game time

6^[3]: choose a button to switch between displaying different information on widget2

7: engineers can use F1 hotkeys on keyboard to switch display widget2 info

8: tyre wear will be determined based on whether the drivers have publicly disclosed telemetry, if telemetry is publicly available, the actual tyre wear will be displayed, if not publicly disclosed, tyre wear will only be displayed through software calculation when Percentage(estimated) is selected

9^[3]: switch between different layouts for Widget 4

TabWindow

The screenshot shows the 'Options' window with the 'TabWindow' tab selected. The sidebar on the left contains buttons for 'GameOverlay', 'TabWindow', 'Details', 'Database', 'UDP', 'Multiplayer', 'Update', 'About', and 'Debug'. The main content area is divided into several sections:

- Tab Info Cycle Button**: A section with a dropdown menu set to 'UDP Action 3' and a text box containing '4194304'.
- Driver 1**: A section with a red number '1' next to it.
- Race Engineer**: A section with a red number '4' next to it and a text box containing 'F2'.
- Available in sessions**: A section with a list of checkboxes for various data types: R, P/Q, Strategy, Track map, Q Best Lap Timings, Race Live Timing, Vehicle Status, Rival Status, Setup, Career, Statistics, and Race Preparations. All checkboxes are checked.
- Rival Cycle Button**: A section with a dropdown menu set to 'UDP Action 1' and a text box containing '1048576'.
- Next Driver**: A section with a red number '2' next to it.
- Previous Driver**: A section with a red number '3' next to it and a dropdown menu set to 'UDP Action 2' and a text box containing '2097152'.

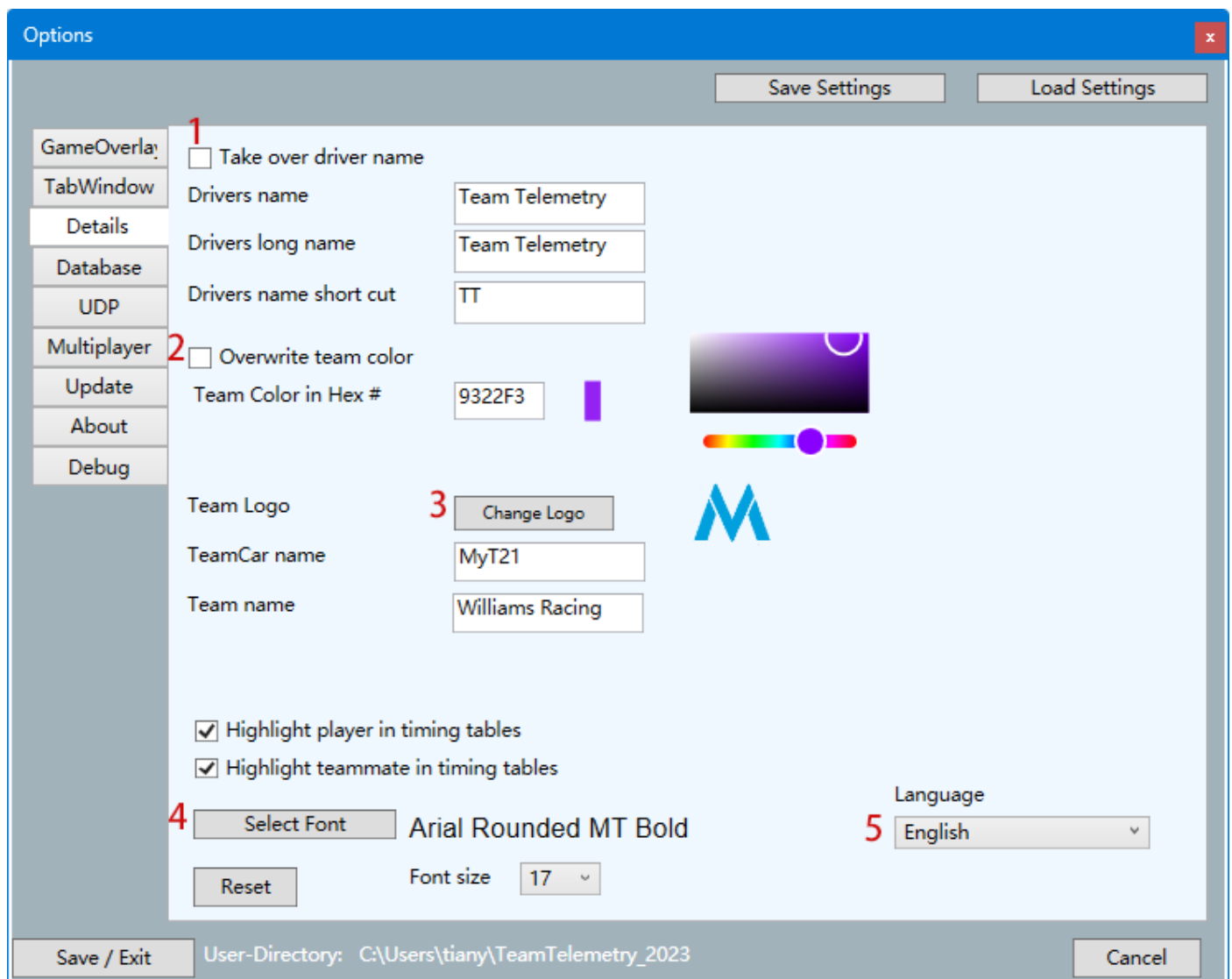
At the bottom of the window, there is a 'Save / Exit' button, a 'User-Directory' field showing 'C:\Users\tiany\TeamTelemetry_2023', and a 'Cancel' button.

1^[3]: after setting a button, the driver can cycle through the tabwindow pages while driving

2/3^[3]: by setting the buttons, you can quickly switch rival on the rival page

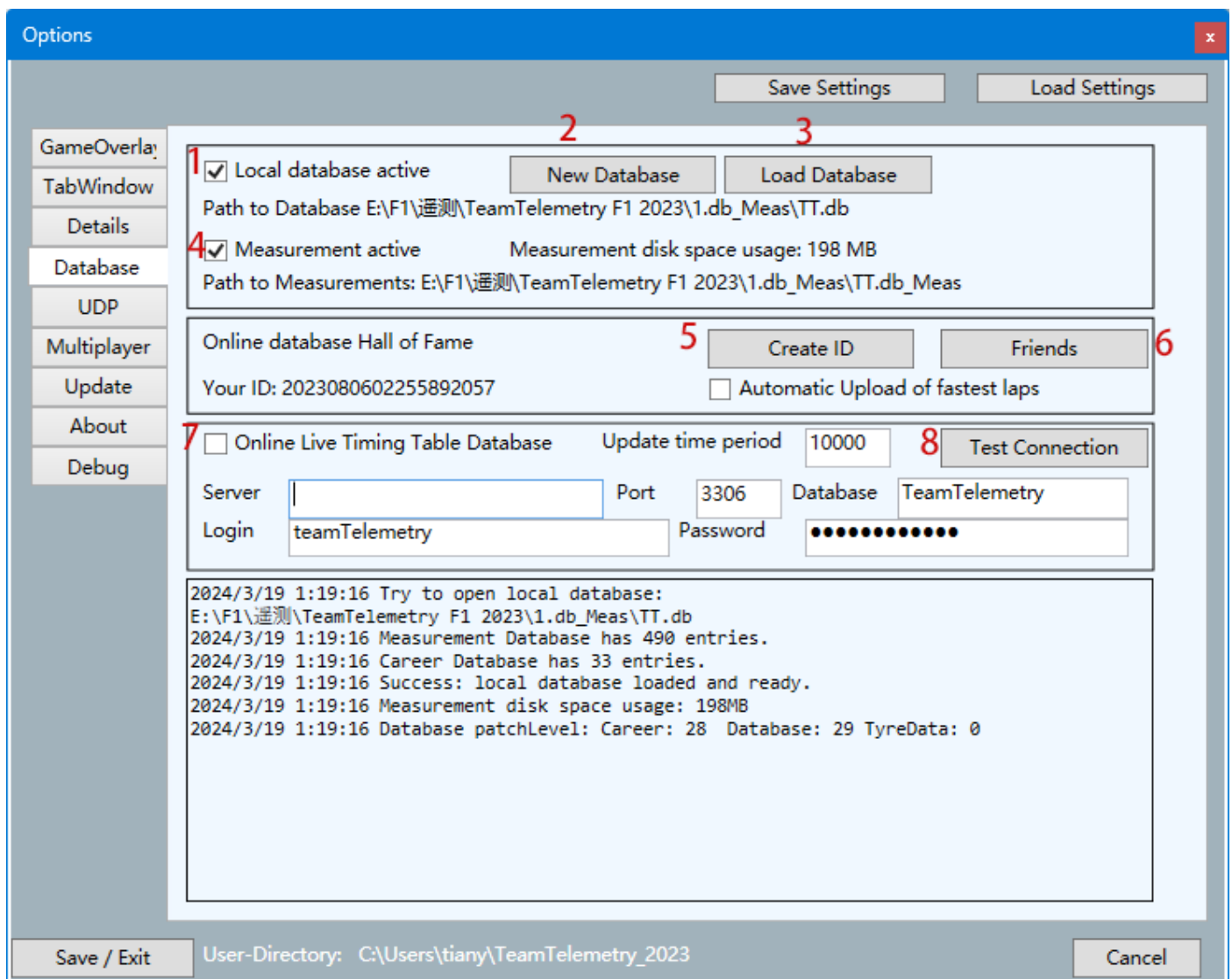
4: engineers can use F2 hotkeys on keyboard to switch display widget2 info

Details



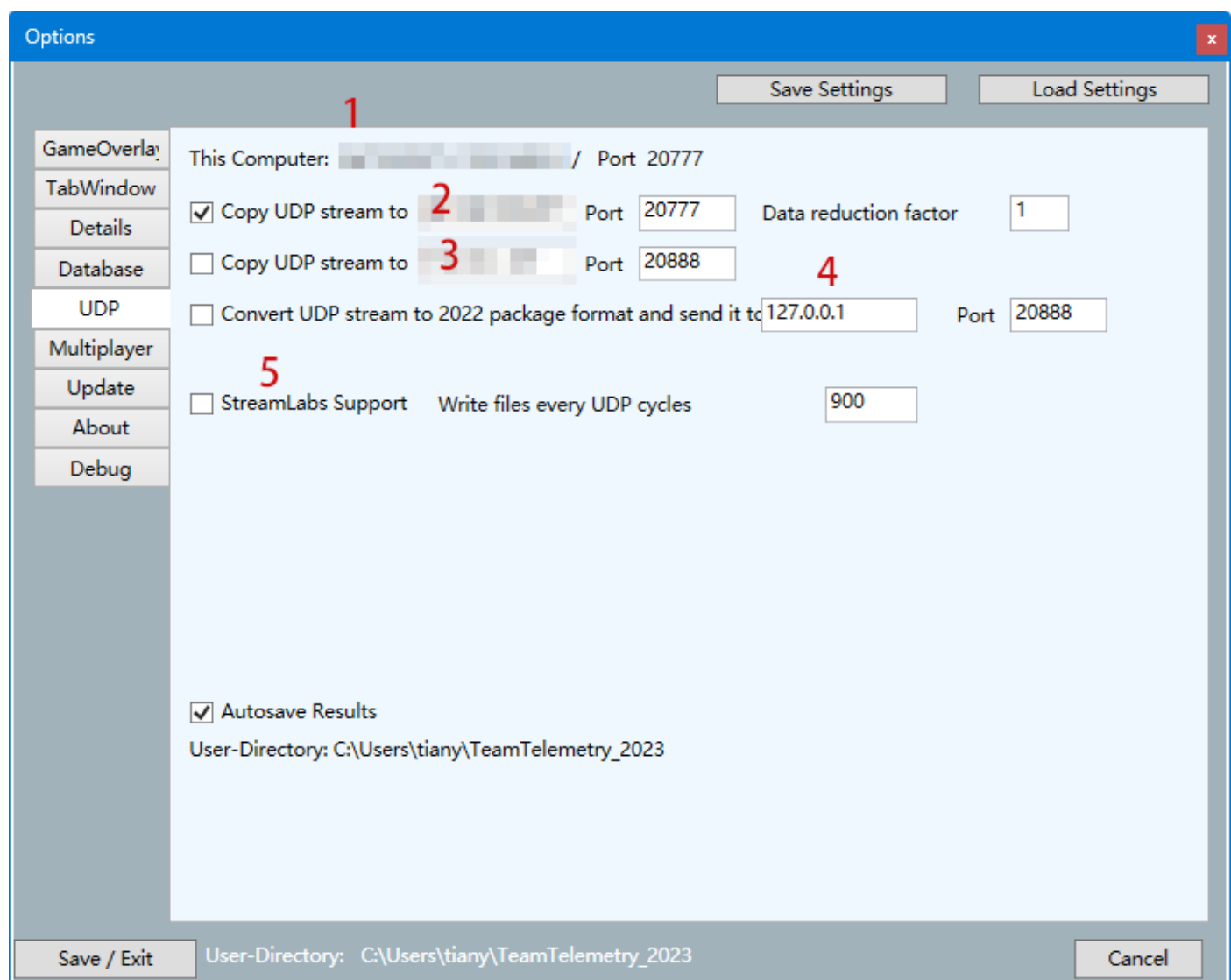
- 1^[4]: after activation, it will overwrite the user's name in the game, including in the multiplayer Grand Prix
- 2^[4]: overwrite the team colors displayed by the user in the game
- 3^[4]: the changed team logo can only be selected locally
- 4: changing fonts can only be selected from local files
- 5: currently only supported Chinese, English, German

Database



- 1: only after checking will the local database be used
- 2: creating a new database locally and allows for the creation of multiple databases
- 3: load the created database
- 4: only after checking will the competition results be recorded in the database
- 5: create an ID on the official Team Telemetry database
- 6: view data of friends in the Team Telemetry Hall of Fame / Track map statistics for best friend
- 7: only after checking will this feature be enabled. This feature can be used, in order to provide race statistics on your own server. (e.g. HTML page creation for live timing table, final results)
- 8: test the connection with the server

UDP



1: here show the users local IP

2/3/4 ^[2]: enter the IP that you want to send the telemetry to

5: text files will be created which can be used by OBS / StreamLabs

Multiplayer

The screenshot shows the 'Options' dialog box for the Multiplayer section. The sidebar on the left has tabs for GameOverlay, TabWindow, Details, Database, UDP, Multiplayer (selected), Update, About, and Debug. The main area contains a grid of 22 driver entries, each with a name field and a team field. Above the grid are buttons: Update (1), Rename (2), Reset (3), Load (4), and Save (5). Below the grid are fields for Multiplayer Name Filter (6, containing 'AOR'), Multiplayer Name Creator (7, containing 'Team Telemetry'), and a dropdown menu (8). At the bottom are checkboxes for Automatic renaming and Own session ID (with a session ID field), and buttons for Save (10) and Upload (11). A 'Save / Exit' button is at the bottom left, and a 'Cancel' button is at the bottom right. The 'User-Directory' is shown as 'C:\Users\tiany\TeamTelemetry_2023'.

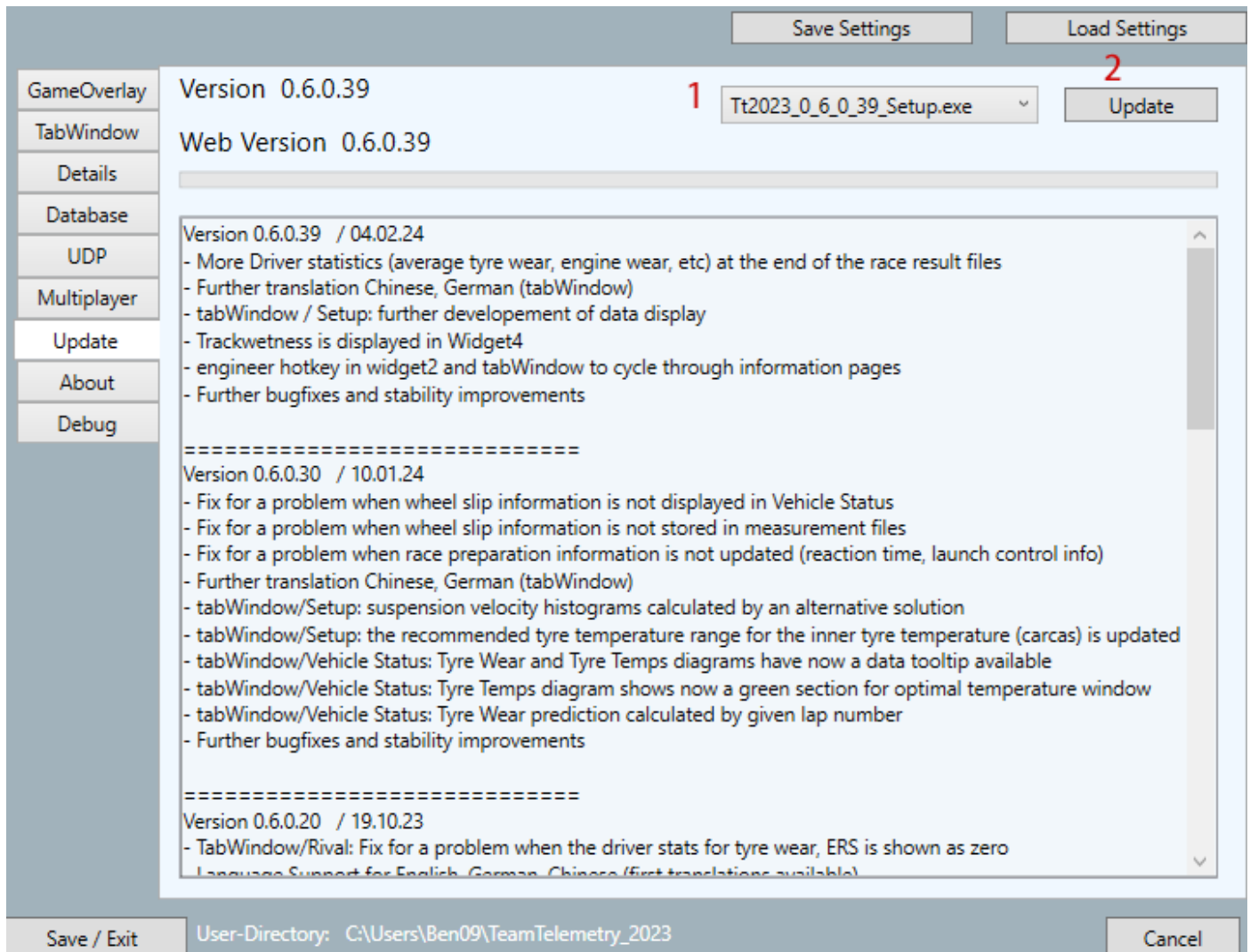
- 1: Update – all text fields will be updated with current names of the race session
- 2: Rename – after you have changed the drivers name the new name will be taken over
- 3: Reset – all change drivers name will be reseted
- 4: Load – a set of driver's name will be used / previously saved driver list
- 5: Save the current driver list
- 6: a text mask can be filtered of driver's name (e.g. AOR_VETTEL -> VETTEL)
- 7: if the driver's name was not made public in multiplayer sessions, a name could be generated out of these tags %car%, %racenumber% and %driverID%
- 8: if drivers translation set was sent to TeamTelemetry-server (using the displayed session ID) this set could be reused by choosing specific item from drop down table (the verbal text in (8) is linked to the session ID.
- 9: Upload CSV, a previous saved .csv table could be uploaded to TeamTelemetry-server (with

linked session ID)

10: Save: the current session ID could be saved (later visible in the drop down list (8))

11: Upload: the current set of translation is uploaded to TeamTelemetry-server ((with linked session ID)

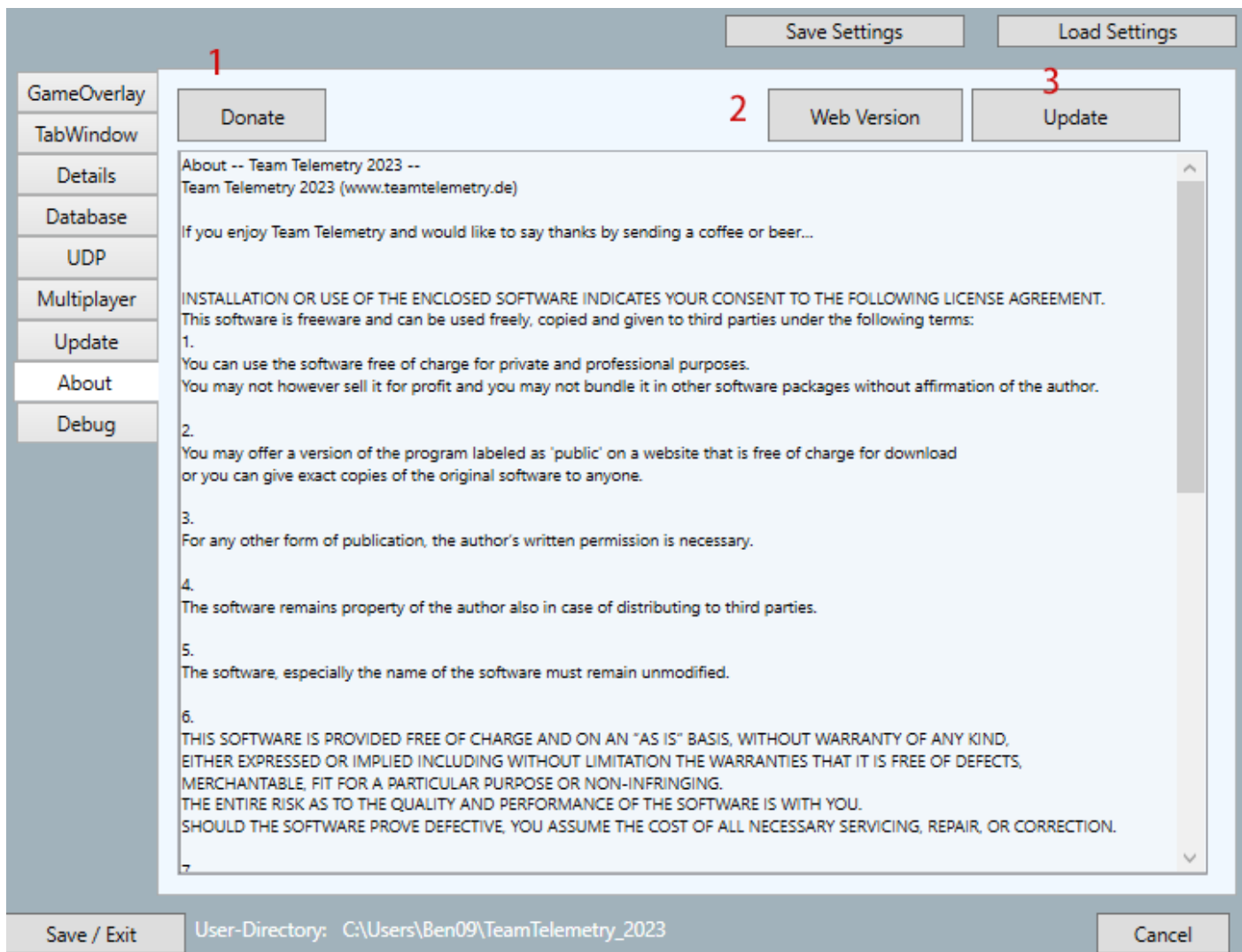
Update



1: select the version you want to update

2: click to update

About

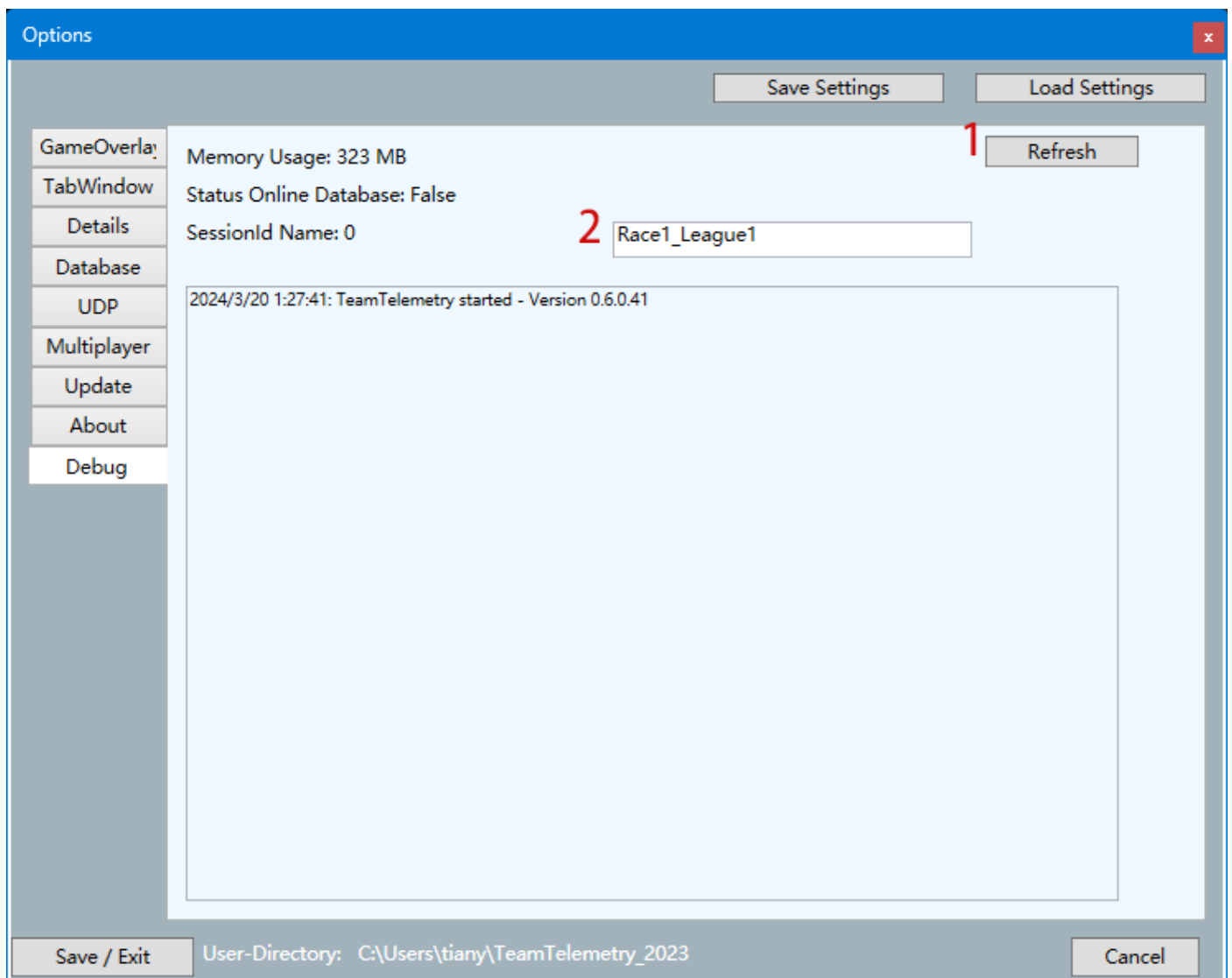


1: at present, the Team Telemetry is free to download, but it requires a lot of effort for software development and maintenance. If you are willing, you can click this button to donate, and we would be very grateful

2: click to open the Team Telemetry website

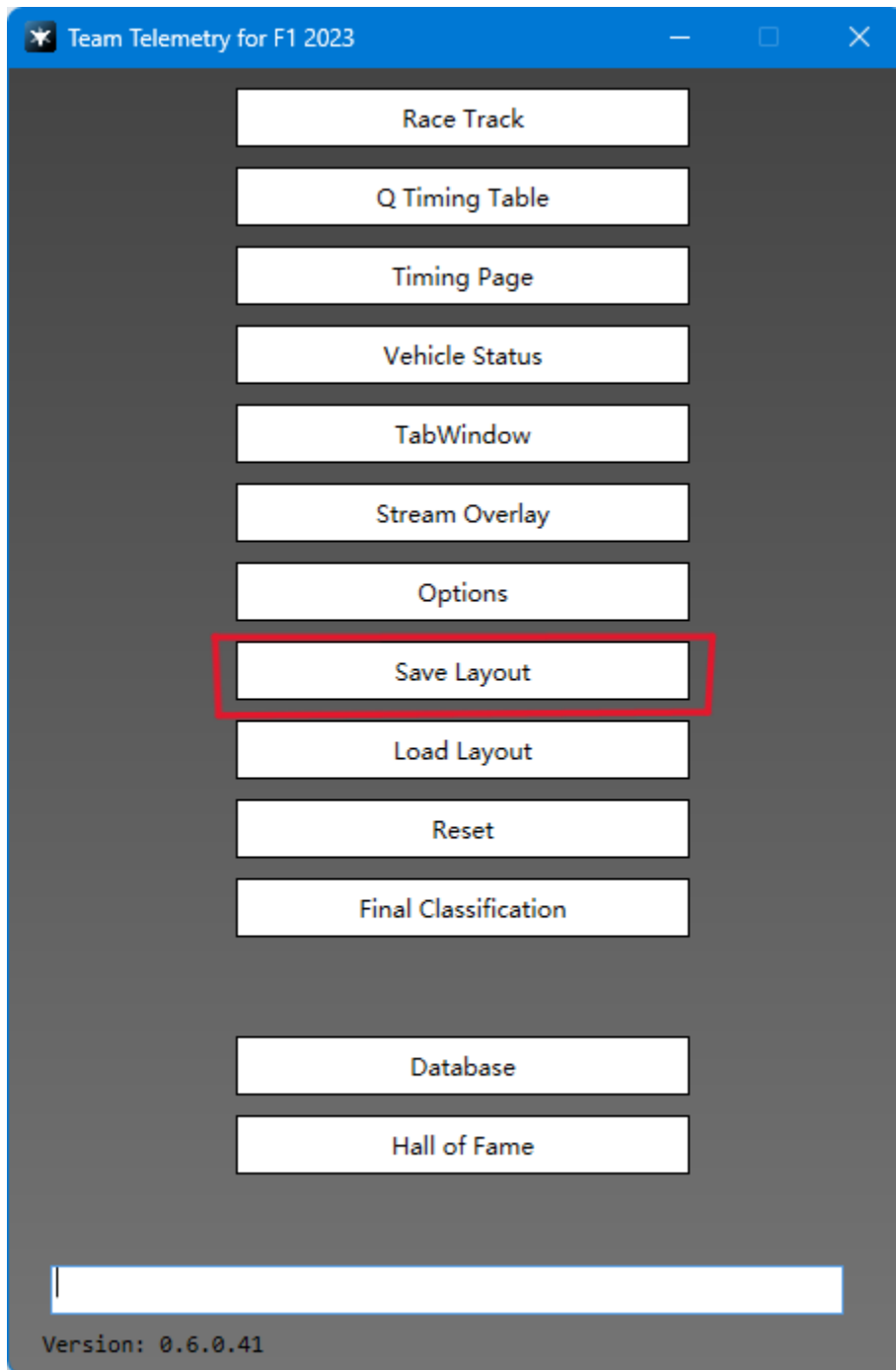
3: click to enter the download page of the website

Debug



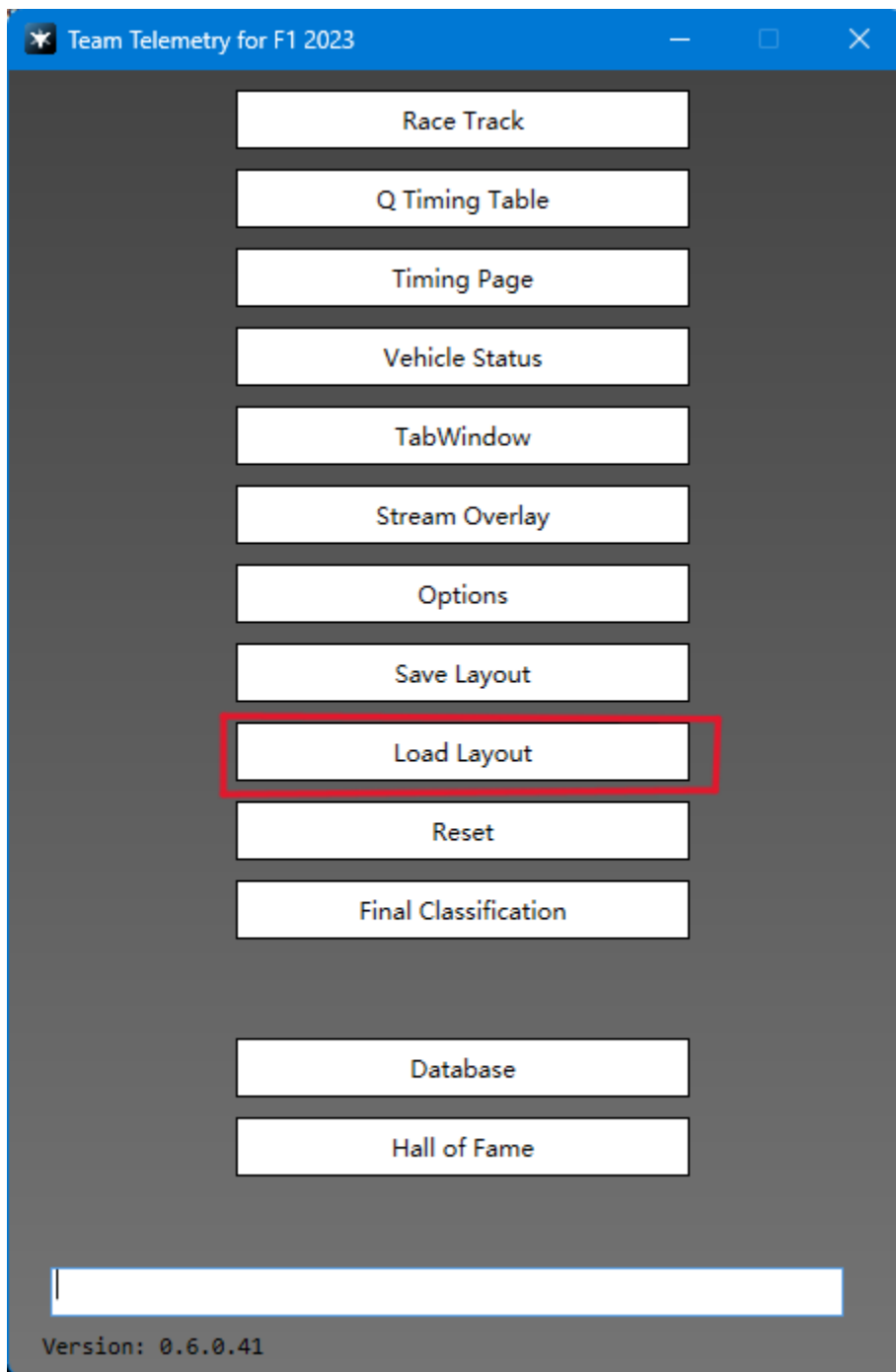
only debug stuff, not important for the user

Save Layout



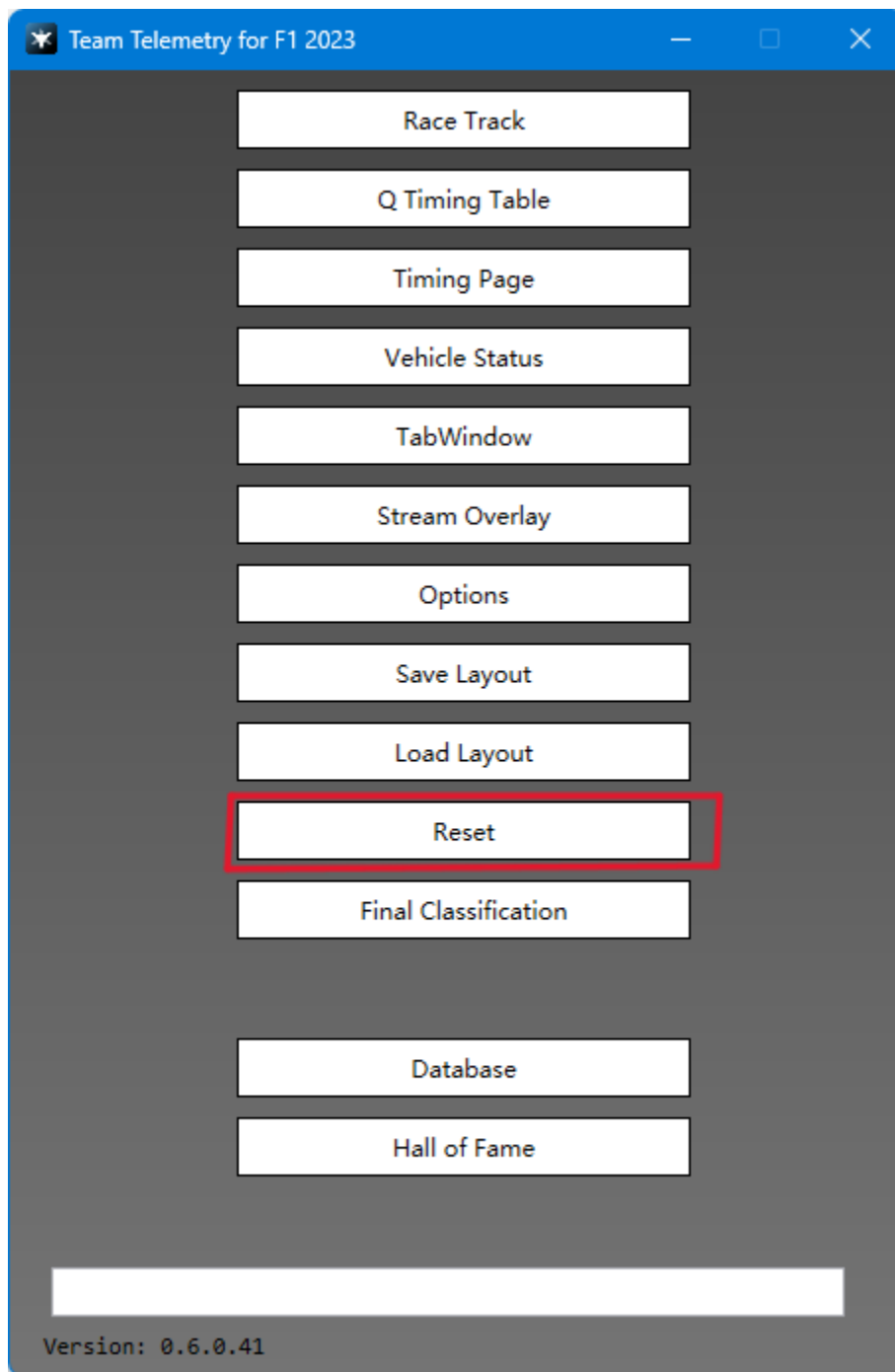
save the layout of the widget and windows (TabWindow, Q timing table, etc)

Load Layout



load previously saved widget and windows layout

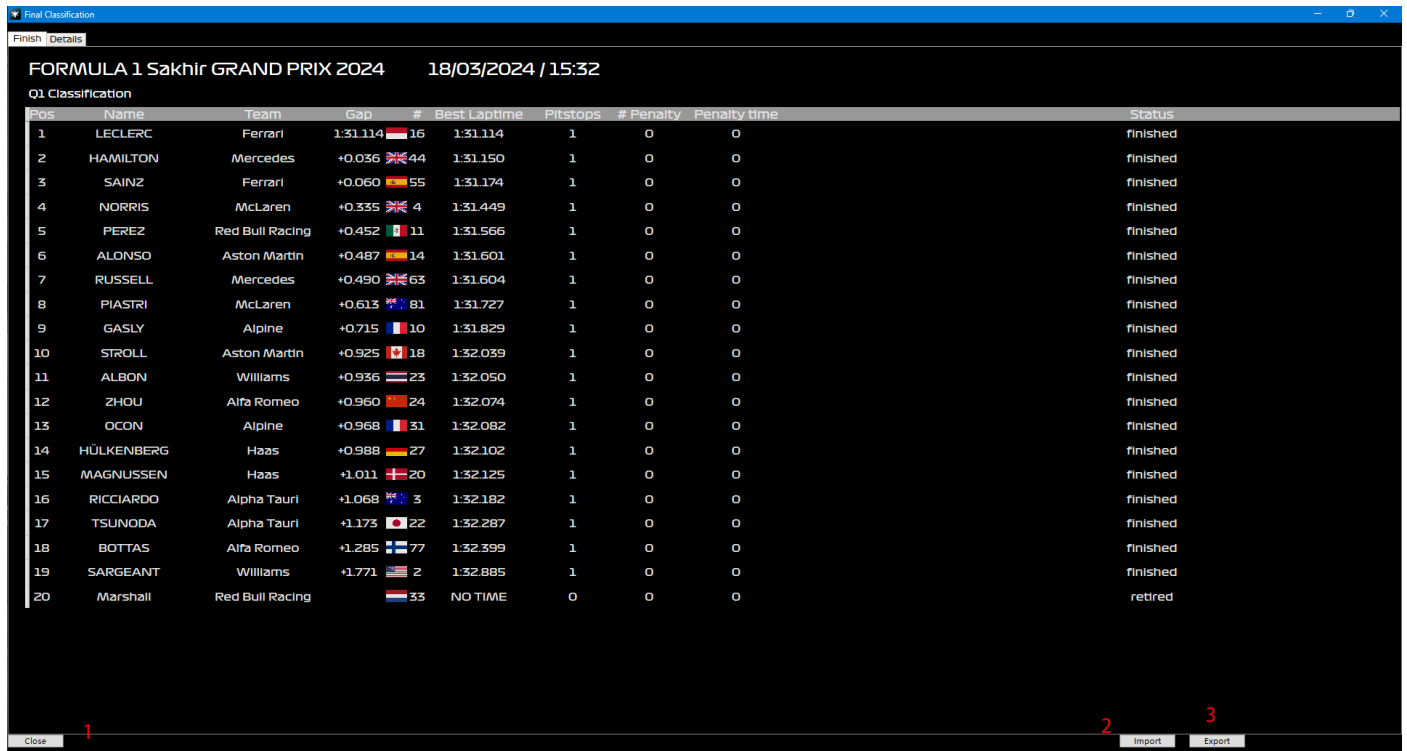
Reset



not important for the driver

Final Classification

Finish



FORMULA 1 Sakhr GRAND PRIX 2024 18/03/2024 / 15:32									
Q1 Classification									
Pos	Name	Team	Gap	#	Best Laptime	Pitstops	# Penalty	Penalty time	Status
1	LECLERC	Ferrari	1:31.114	16	1:31.114	1	0	0	finished
2	HAMILTON	Mercedes	+0.036	44	1:31.150	1	0	0	finished
3	SAINZ	Ferrari	+0.060	55	1:31.174	1	0	0	finished
4	NORRIS	McLaren	+0.335	4	1:31.449	1	0	0	finished
5	PEREZ	Red Bull Racing	+0.452	11	1:31.566	1	0	0	finished
6	ALONSO	Aston Martin	+0.487	14	1:31.601	1	0	0	finished
7	RUSSELL	Mercedes	+0.490	63	1:31.604	1	0	0	finished
8	PIASTRI	McLaren	+0.613	81	1:31.727	1	0	0	finished
9	GASLY	Alpine	+0.715	10	1:31.829	1	0	0	finished
10	STROLL	Aston Martin	+0.925	18	1:32.039	1	0	0	finished
11	ALBON	Williams	+0.936	23	1:32.050	1	0	0	finished
12	ZHOU	Alfa Romeo	+0.960	24	1:32.074	1	0	0	finished
13	OCON	Alpine	+0.968	31	1:32.082	1	0	0	finished
14	HÜLKENBERG	Haas	+0.988	27	1:32.102	1	0	0	finished
15	MAGNUSSEN	Haas	+1.011	20	1:32.125	1	0	0	finished
16	RICCIARDO	Alpha Tauri	+1.068	3	1:32.182	1	0	0	finished
17	TSUNODA	Alpha Tauri	+1.173	22	1:32.287	1	0	0	finished
18	BOTTAS	Alfa Romeo	+1.285	77	1:32.399	1	0	0	finished
19	SARGEANT	Williams	+1.771	2	1:32.885	1	0	0	finished
20	Marshall	Red Bull Racing		33	NO TIME	0	0	0	retired

Close 1 Import 2 Export 3

1 click to close the window

2: import previously saved game results

3: save the results of the current racing

P.S.: users can drag the title to adjust the information bar, and it can be arranged in order or reverse by clicking on the title

Details

Final Classification

Finish Details 2 3 4 5 6 7 8 9

Position LapTimes Stops Values All None Top 5 Top 10

Sector	1	Sector	2	Sector	3	Lap	Time	Theory	Time	Speed	Trap
SAI	29.307	LEC	39.356	LEC	22.506	LEC	NO TIME	LEC	1:31.187	LEC	
LEC	29.325	SAI	39.445	SAI	22.529	HAM	NO TIME	SAI	1:31.281	HAM	
HAM	29.332	HAM	39.552	HAM	22.531	SAI	NO TIME	HAM	1:31.415	SAI	
NOR	29.382	PER	39.604	NOR	22.585	NOR	NO TIME	NOR	1:31.593	NOR	
PER	29.391	NOR	39.626	PER	22.613	PER	NO TIME	PER	1:31.608	PER	
ALO	29.415	ALO	39.657	RUS	22.615	ALO	NO TIME	ALO	1:31.703	ALO	
RUS	29.464	RUS	39.714	ALO	22.631	RUS	NO TIME	RUS	1:31.793	RUS	
GAS	29.499	PIA	39.778	PIA	22.662	PIA	NO TIME	PIA	1:31.951	PIA	
PIA	29.511	ZHO	39.817	GAS	22.705	GAS	NO TIME	GAS	1:32.069	GAS	
ALB	29.532	GAS	39.865	OCO	22.740	STR	NO TIME	ZHO	1:32.146	STR	
OCO	29.544	ALB	39.882	ALB	22.752	ALB	NO TIME	ALB	1:32.166	ALB	
ZHO	29.563	HÜL	39.886	STR	22.762	ZHO	NO TIME	OCO	1:32.214	ZHO	
RIC	29.575	MAG	39.900	ZHO	22.766	OCO	NO TIME	STR	1:32.244	OCO	
STR	29.579	STR	39.903	HÜL	22.810	HÜL	NO TIME	HÜL	1:32.287	HÜL	
HÜL	29.591	OCO	39.930	TSU	22.831	MAG	NO TIME	MAG	1:32.378	MAG	
TSU	29.621	TSU	39.970	RIC	22.847	RIC	NO TIME	RIC	1:32.407	RIC	
MAG	29.629	RIC	39.985	MAG	22.849	TSU	NO TIME	TSU	1:32.422	TSU	
BOT	29.672	BOT	40.064	BOT	22.862	BOT	NO TIME	BOT	1:32.598	BOT	
SAR	29.754	SAR	40.336	SAR	22.990	SAR	NO TIME	SAR	1:33.080	SAR	
Mar		Mar		Mar		Mar	NO TIME	Mar	NO TIME	Mar	

Close Import Export

10 11

- 1/2/3/4: switch the information that needs to be displayed
- 5/6/7/8: switch the number of drivers that need to be displayed
- 9: manually select the driver you want to view
- 10: import previously saved game results
- 11: save the results of the current racing

Database

The screenshot shows the Team Telemetry Database application. At the top, there's a menu bar with 'Database' and a window title bar. Below the menu bar, there's a toolbar with buttons: 'Close' (1), 'SQL Query' (2), 'Delete' (4), 'Filter' (5), 'Show only fastest laps' (checkbox), 'Upload fastest Laps' (7), and 'Delete all my Laps' (8). A search bar (3) is located next to the 'SQL Query' button. Below the toolbar, there's a text area showing 'SELECT * FROM Database'. The main part of the application is a table with columns: Date, Time, Track, Weather, Session, LapTime, S1, S2, S3, Invalid, F, Tyre, Fuel, Car, DRS1, DRS2, DRS3, FuelMix, Engine, Setup, KPIFL, KPIC, KPIS, TopS. The table contains multiple rows of data, including race results and short quays.

Date	Time	Track	Weather	Session	LapTime	S1	S2	S3	Invalid	F	Tyre	Fuel	Car	DRS1	DRS2	DRS3	FuelMix	Engine	Setup	KPIFL	KPIC	KPIS	TopS
202401312125	2125	Losail	Clear	Race	1:32.714	35.177	28.814	28.723	0		H	55.95	AMR23	0	0	0	1	0	放弃调校_001	0	0	0	299
202401312126	2126	Losail	Clear	Race	1:27.002	28.403	30.010	28.589	0		H	54.06	AMR23	0	0	0	1	0	放弃调校_001	66.71	2.08	17.67	309
202401312128	2128	Losail	Clear	Race	1:25.177	28.164	28.239	28.774	0		H	52.14	AMR23	0.08	0	0	1	1	放弃调校_001	68.12	0.61	14.17	311
202401312129	2129	Losail	Clear	Race	1:25.761	28.313	28.567	28.881	0		H	50.23	AMR23	0	0.07	0	1	1	放弃调校_001	68.62	0.71	14.82	308
202401312131	2131	Losail	Clear	Race	1:25.578	28.480	28.301	28.797	0		H	48.31	AMR23	0	0	0	1	1	放弃调校_001	69.14	0.58	14.27	308
202401312132	2132	Losail	Clear	Race	1:26.364	28.494	28.581	29.289	0		H	46.38	AMR23	0	0	0	1	2	放弃调校_001	67.94	0.35	14.54	295
202401312133	2133	Losail	Clear	Race	1:26.605	28.774	28.703	29.128	0		H	44.45	AMR23	0	0	0	1	2	放弃调校_001	68.79	0.93	15.56	295
202401312135	2135	Losail	Clear	Race	1:27.260	28.882	29.137	29.241	0		H	42.52	AMR23	0	0	0	1	3	放弃调校_001	66.93	1.58	16.96	295
202401312136	2136	Losail	Clear	Race	1:27.087	28.783	28.964	29.340	0		H	40.59	AMR23	0	0	0	1	3	放弃调校_001	67.13	0.8	14.07	295
202401312138	2138	Losail	Clear	Race	1:26.705	28.802	28.762	29.141	0		H	38.65	AMR23	0	0	0	1	3	放弃调校_001	67.26	0.82	14.18	295
202401312139	2139	Losail	Clear	Race	1:26.859	29.015	28.881	28.963	0		H	36.74	AMR23	0	0	0	1	4	放弃调校_001	66.9	1.78	14.55	295
202401312141	2141	Losail	Clear	Race	1:45.743	28.841	28.916	47.986	0		M	34.97	AMR23	0	0	0	1	4	放弃调校_001	47.98	4.84	20.48	298
202401312143	2143	Losail	Clear	Race	1:29.701	33.268	28.148	28.285	0		M	33.01	AMR23	0	0	0	1	4	放弃调校_001	66.43	0.62	14.06	297
202401312144	2144	Losail	Clear	Race	1:24.485	28.117	27.958	28.410	0		M	31.1	AMR23	0	0	0	1	5	放弃调校_001	72	1.16	14.55	298
202401312145	2145	Losail	Clear	Race	1:24.921	28.062	28.096	28.763	0		M	20.18	AMR23	0	0	0	1	5	放弃调校_001	70.78	1.58	14.27	299
202401312147	2147	Losail	Clear	Race	1:33.034	27.993	36.063	28.978	0		M	27.22	AMR23	0	0	0	1	6	放弃调校_001	63.8	4.25	19.4	303
202401312148	2148	Losail	Clear	Race	1:27.024	28.469	29.011	29.544	0		M	25.36	AMR23	0	0	0	1	6	放弃调校_001	65.76	2.34	15.18	295
202401312150	2150	Losail	Clear	Race	1:26.464	28.480	28.982	29.002	0		M	23.43	AMR23	0	0	0	1	6	放弃调校_001	69.35	1.57	15.97	295
202401312151	2151	Losail	Clear	Race	1:26.492	28.553	28.717	29.222	0		M	21.53	AMR23	0	0	0	1	7	放弃调校_001	69.69	1.9	14.8	295
20240201959	1959	Losail	Clear	Race	1:33.542	35.939	28.847	28.756	0		H	54.4	RB19	0	0	0	1	0	放弃调校_001	0	0	0	301
202402022000	2000	Losail	Clear	Race	1:25.327	28.276	28.295	28.756	0		H	52.51	RB19	0	0	0	1	0	放弃调校_001	74.03	0.69	9.52	306
202402022014	2014	Losail	Clear	Short Q	1:21.226			81.226	0		S	.05	RB19	0	0	0	1	0	放弃调校_001	0	0	0	320
202402022019	2019	Losail	Clear	Short Q	1:20.890	26.639	26.844	27.407	0		S	1.98	RB19	0	0	0	1	2	放弃调校_001	70.95	0.01	13.81	321
202402022019	2019	Losail	Clear	Short Q	1:21.501	26.831	27.028	27.642	0		S	3.16	A523	0	0	0	1	1	放弃调校_001	73.68	0.27	20	318
202402022026	2026	Losail	Clear	Short Q	1:20.739	26.570	26.770	27.399	0		S	1.51	RB19	0	0	0	1	3	放弃调校_001	73.12	0.01	13.04	320
202402022026	2026	Losail	Clear	Short Q	1:21.466	26.773	27.095	27.598	0		S	3.27	A523	0	0	0	1	2	放弃调校_001	74.37	0.55	22.76	318
202402022027	2027	Losail	Clear	Short Q	1:20.739			80.739	0		S	1.08	RB19	0	0	0	1	3	放弃调校_001	60.1	0.12	9.82	258
202402022028	2028	Losail	Clear	Short Q	1:20.739	35.896	30.711	14.132	0		S	.05	RB19	0	0	0	1	3	放弃调校_001	100	4.17	2.42	170
202402022036	2036	Losail	Clear	Race	1:32.632	35.578	28.407	28.647	0		H	55.13	RB19	0	0	0	1	0	放弃调校_001	0	0	0	314
202402022036	2036	Losail	Clear	Race	1:40.001	40.909	30.300	28.792	0		H	55.13	A523	0	0	0	1	0	放弃调校_001	0	0	0	297
202402022037	2037	Losail	Clear	Race	1:25.458	28.517	28.285	28.656	0		H	53.33	RB19	0	0	0	1	0	放弃调校_001	100	50	0.05	318
202402022037	2037	Losail	Clear	Race	1:25.709	28.437	28.444	28.828	0		H	53.33	A523	0	0	0	1	0	放弃调校_001	100	50	0.05	305
202402022038	2038	Losail	Clear	Race	1:25.572	28.346	28.483	28.743	0		H	51.38	RB19	0	0	0	1	1	放弃调校_001	100	33.33	0.03	304
202402022038	2038	Losail	Clear	Race	1:26.191	28.637	28.772	28.782	0		H	51.37	A523	-77.98	0	0	1	1	放弃调校_001	33.33	33.33	0.03	305
202402022040	2040	Losail	Clear	Race	1:25.774	28.302	28.641	28.831	0		H	49.59	RB19	0	0	0	1	1	放弃调校_001	0	0	0	317
202402022040	2040	Losail	Clear	Race	1:25.667	28.323	28.613	28.731	0		H	49.49	A523	0	0	0	1	1	放弃调校_001	0	0	0	313
202402022041	2041	Losail	Clear	Race	1:25.495	28.227	28.530	28.738	0		H	47.67	RB19	0	0	0	1	1	放弃调校_001	0	0	0	304

1: click to close the window

2: send SQL Query (SELECT * FROM Database, etc..) to the database

3: selected datasets

4: Delete selected datasets

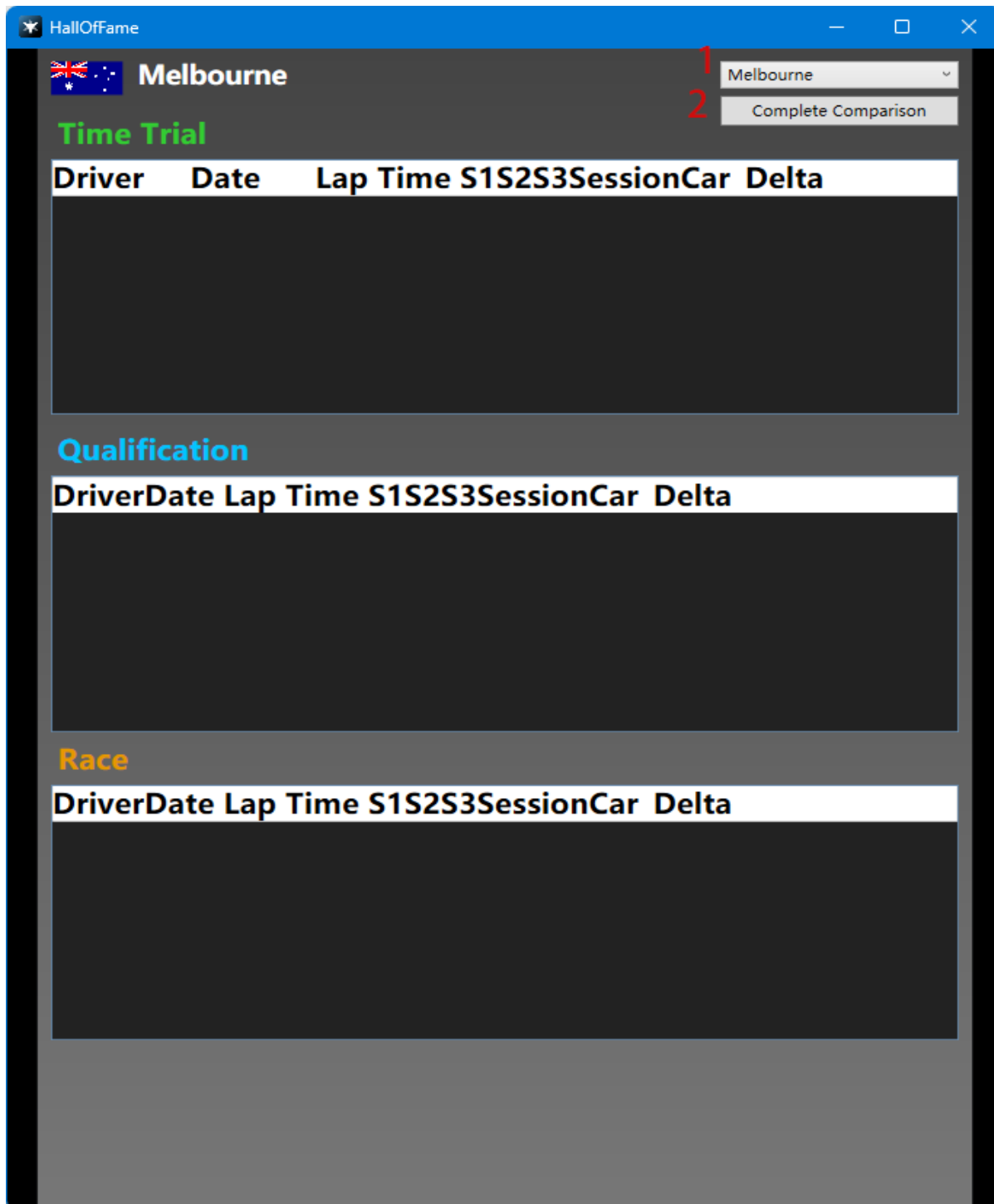
5: search for desired racing results by filtering categories

6: show selected dataset related measurement file in TabWindow/Setup

7: upload users' fastest lap to Team Telemetry's database (this is useful when you want to compare your lap times with your friends)

8: delete all lap times from Team Telemetry database

Hall of Fame



1: overview about all tracks

2: complete comparison of Trial lap times with best friend

Other info

Track humidity:

after we tested in game, we suggested users select tyres in different track humidity(according to game settings, the weather forecast may be set to approximate, the specific situation needs to be combined with feedback from drivers in the game)

0%-25% dry tyres

25%-40% light rain, but dry tyres

40%-60% light rain, equal dry/inter

60%-85% light rain, inter

85%-100% heavy rain, wet

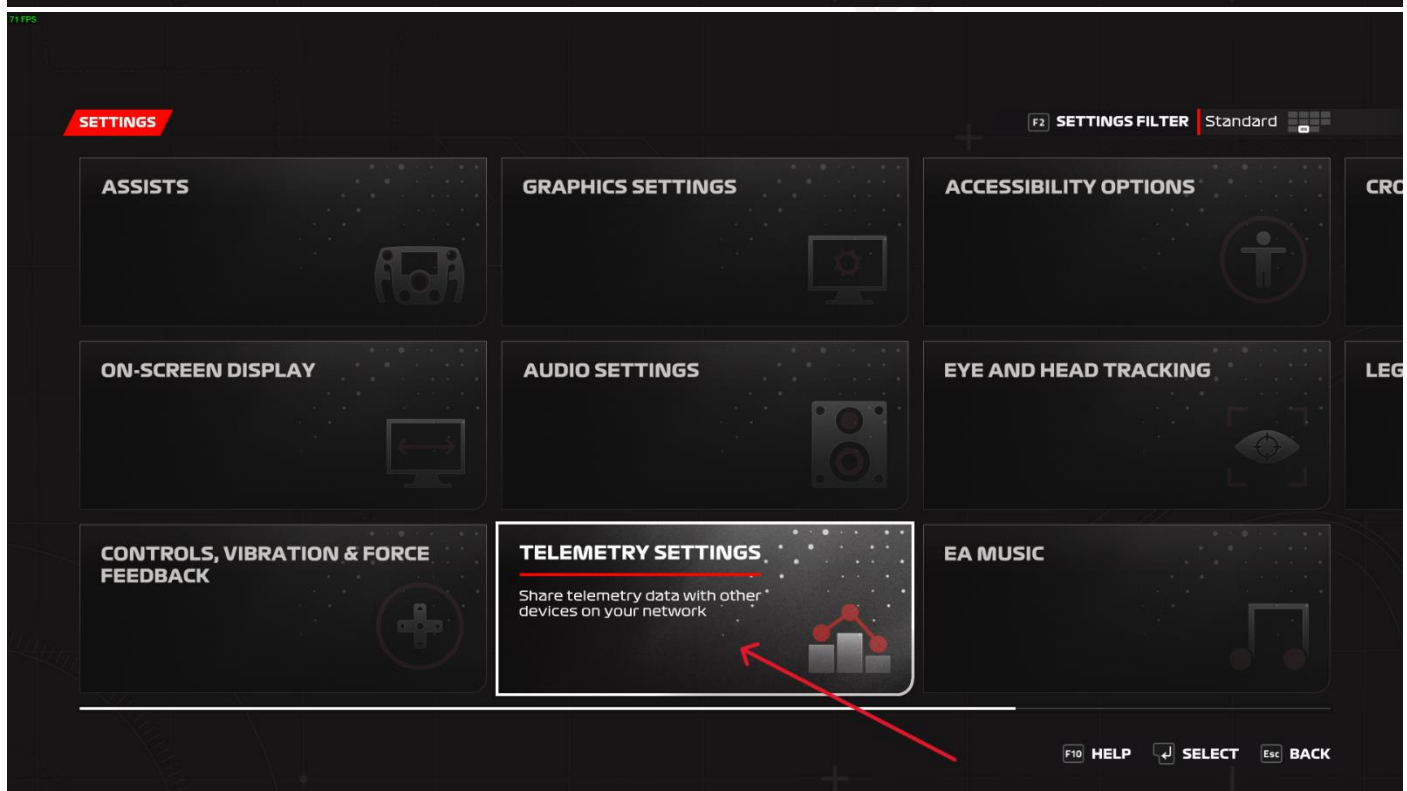
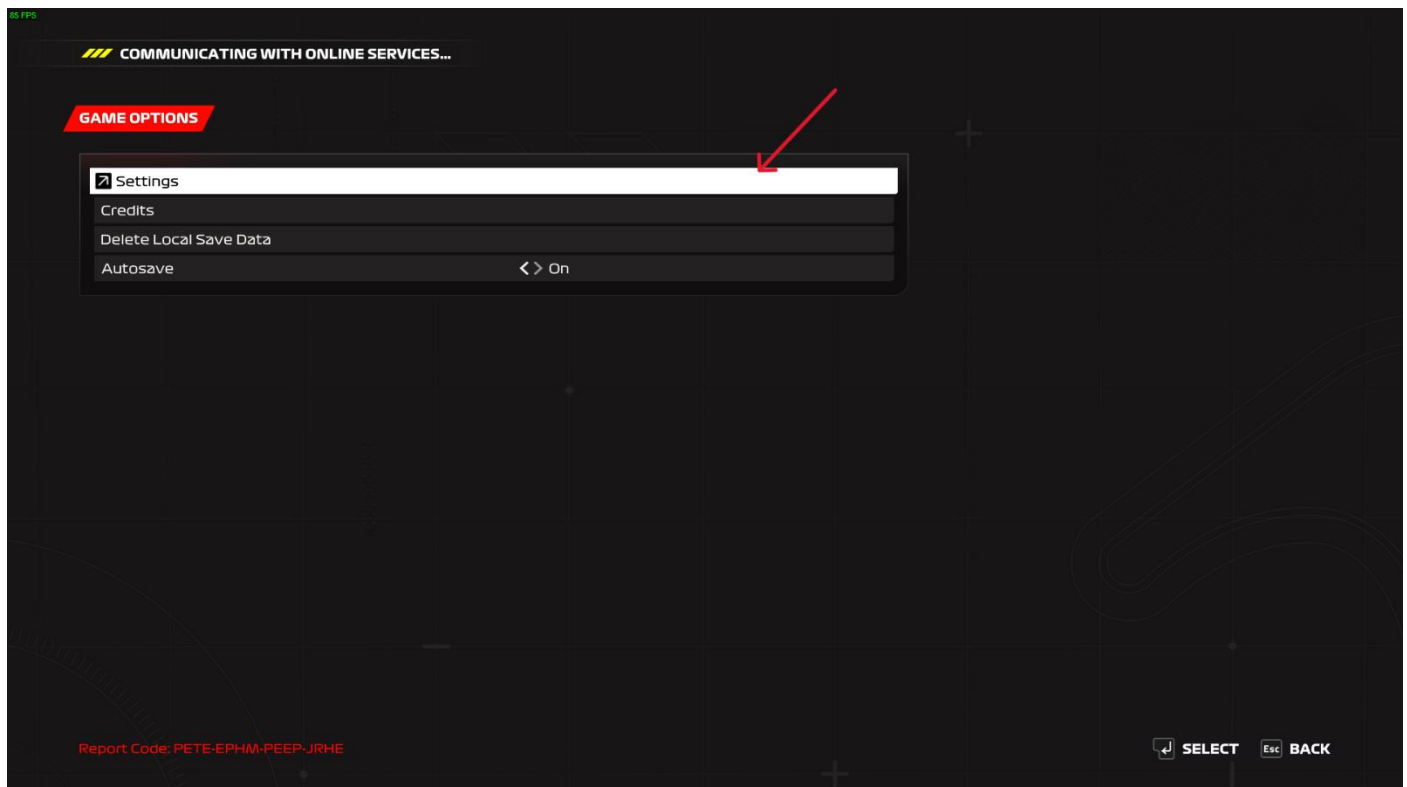
.send telemetry to others:

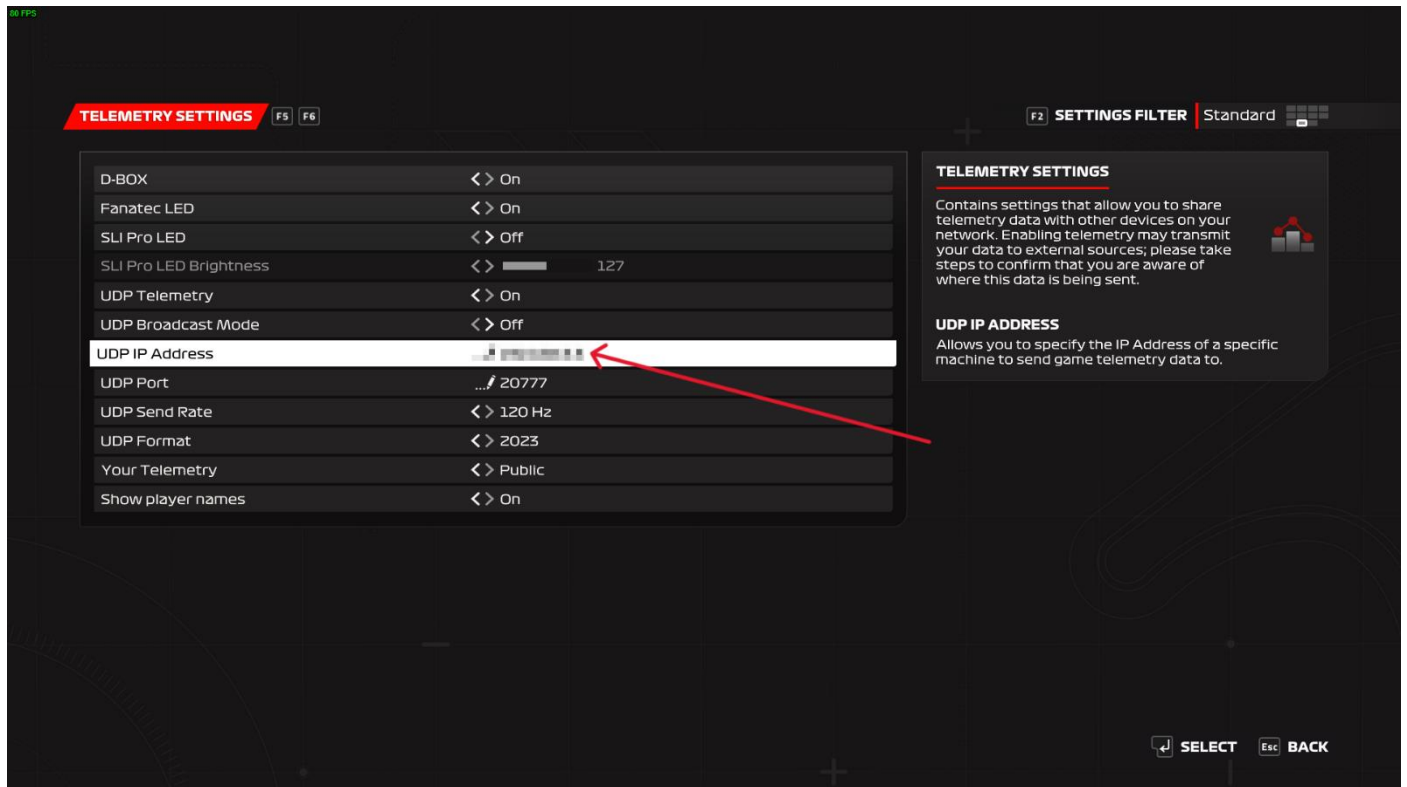
At first you should know to send telemetry to others,all of you need to be in a same local network,we recommend a software that can help you join the same LAN, or you can also use other software.

download Radmin VPN: <https://www.radmin-vpn.com/>

For PS/Xbox:1st, make sure you all in a same local network

2nd, change udp IP Address(your/drivers' own IP)in F1 23





3rd, write engineer's IP{the IP shows on VPN} into TT on driver's PC

Options

Save Settings Load Settings

GameOverla:
TabWindow
Details
Database
UDP
Multiplayer
Update
About
Debug

This Computer: [blurred IP] Port 20777

☒ Copy UDP stream to [blurred IP] Port 20777 Data reduction factor 1

☐ Copy UDP stream to [blurred IP] Port 20888

☐ Convert UDP stream to 2022 package format and send it to 127.0.0.1 Port 20888

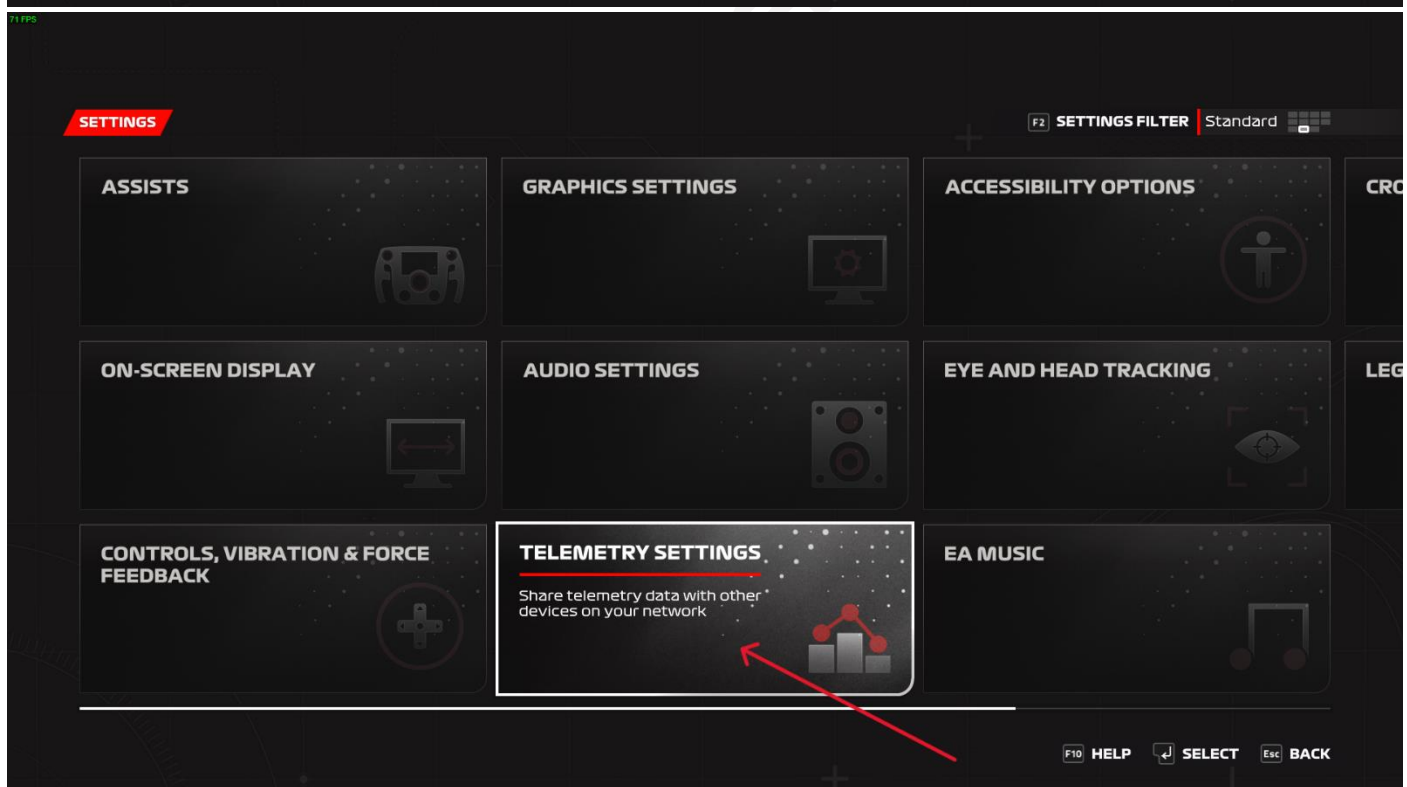
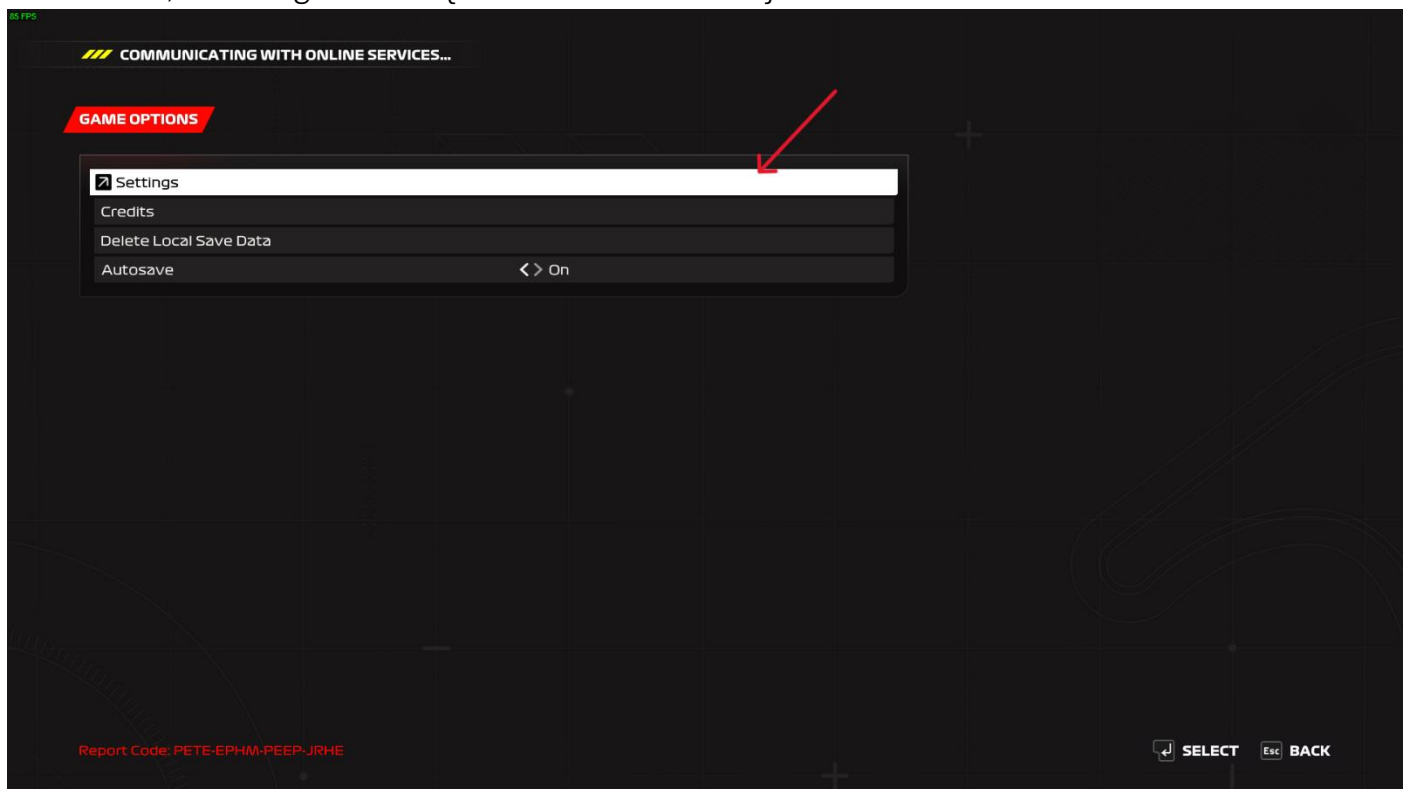
☐ StreamLabs Support Write files every UDP cycles 900

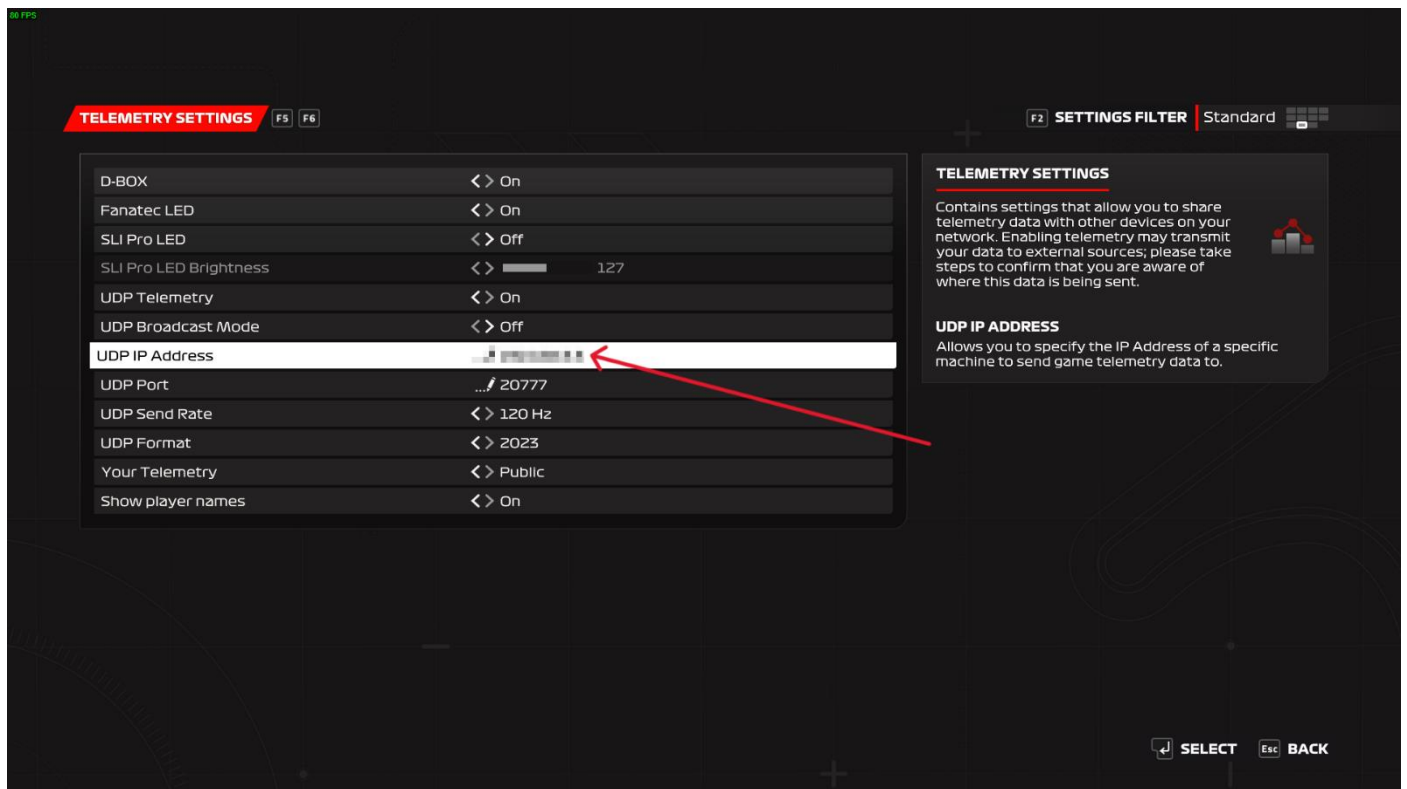
☒ Autosave Results
User-Directory: C:\Users\tiany\TeamTelemetry_2023

Save / Exit User-Directory: C:\Users\tiany\TeamTelemetry_2023 Cancel

For PC: 1st, make sure you all in a same local network

2nd, write engineer's IP{the IP shows on VPN} into F1 23 on driver's PC





You can watch this video to learn how to operate it: <https://youtu.be/HFtEhFNRaxo>

set button

since F1 23 can be directly adapted to Logitech and other devices, there is no need to bind buttons in the game, for other devices, UDP action buttons need to be bound in the game.

