



MANUAL

ORBITS CYCLING

PRODUCTCODE
25R031

CAN BE USED FOR



EXPERIENCE PROGRESS

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Manual revision history

Version	Date	Amendments
Version 1.1.	July 2017	new design and new features
Version 1.2.	July 2018	deleted camera plug in accessories

How to use this manual



Search for Keywords

Search for keywords to find a topic. Press Ctrl+F on Windows or Command+F on Mac.



Navigate Topics

View a complete list of topics in the table of contents. Click on a topic to navigate to that section



Printing this Document

This document supports high resolution printing.

Legends



Hints and Tips



Important



Reference

Download options

Download the manual and install the product software from the MYLAPS site.

<https://www.mylaps.com/support/software-firmware/>

About this Manual

This manual is intended for operating and supervisory personnel and provides information on installing and operating the product.

This publication has been written with great care. However, the manufacturer cannot be held responsible, either for any errors occurring in this publication or for their consequences.

The sale of products, services of goods governed under this publication are covered by MYLAPS 's standard Terms and Conditions of Sales and this product manual is provided solely for informational purposes.

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1. Orbits Cycling

The timing & scoring software for cycling events

Orbits Cycling is the timing and scoring software by MYLAPS, specifically designed for cycling (club) races. We developed the easy-to-use software in cooperation with cycling federations, clubs and timekeepers to ensure it fulfills the needs of our customers. The software can be used for multiple forms of cycling, including road cycling, mountain bike racing, track cycling and other cycling disciplines.

MYLAPS' well-known and widely used Orbits software is now available for timing cycling races. Orbits has been used in the world of motorsports for many years and has now been rebuilt for cycling.

With Orbits you can easily time your events in 6 sequential steps:

1. Setup your events
2. Create runs and import participants
3. Time your races
4. Process results
5. Distribute results: print and publish practice and event results and upload results to mylaps.com
6. Manage championships

When you order Orbits Cycling (25R030/1) you will get .exe file via a link or USB stick and your personal serial number.

The following components can be ordered from MYLAPS as options for further expanding Orbits Cycling.

Product:	Product code:
Orbits Cycling temporary license (3 months)	25R031
Custom made track set up for your track/velodrome	Contact MYLAPS tech.support@mylaps.com

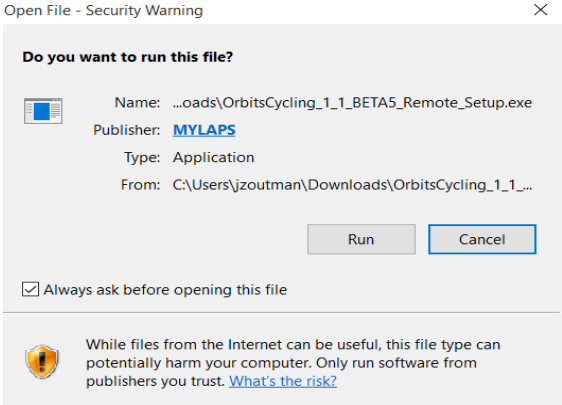
1.1. System requirements

System Requirements	<p>The minimum hardware specifications to run the Orbits Cycling program are:</p> <ul style="list-style-type: none"> • 1 GHz 32-bit (x86) or 64-bit (x64) processor • 1024 MB Memory • Approximately 200 MB of hard disk • Network adapter • Printer and speaker devices • Operating systems: <ul style="list-style-type: none"> ○ Windows 7 ○ Windows 8.1 ○ Windows 10
Administrator	You need to have administrator rights to install and run the program.

1.2. Installation

Installation	<p>The program is available after purchase via a download link. To install the program: You will get the installer (.exe file) via a link or USB stick plus your personal serial number.</p>
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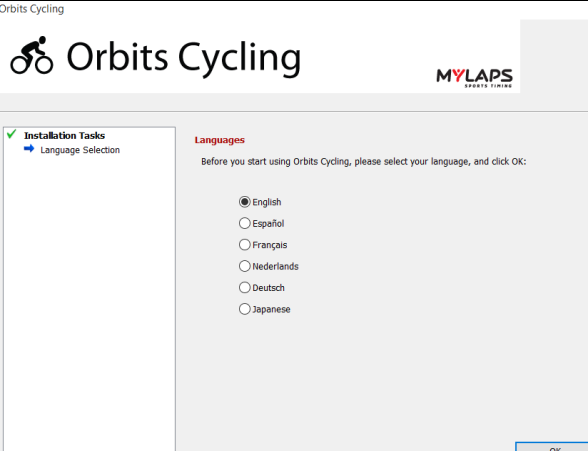

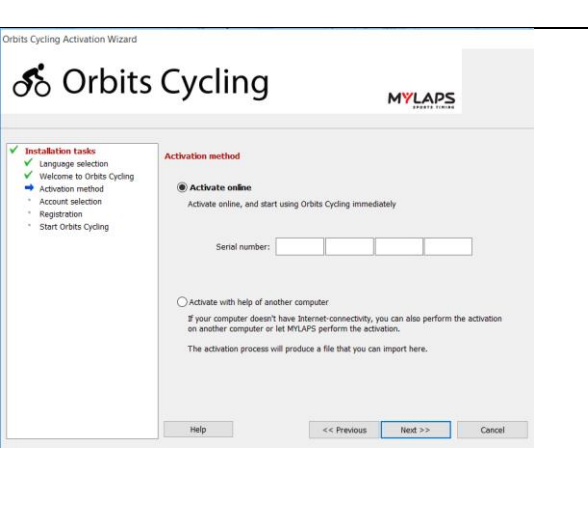
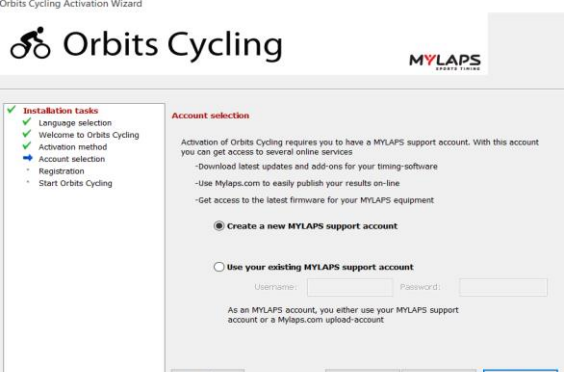
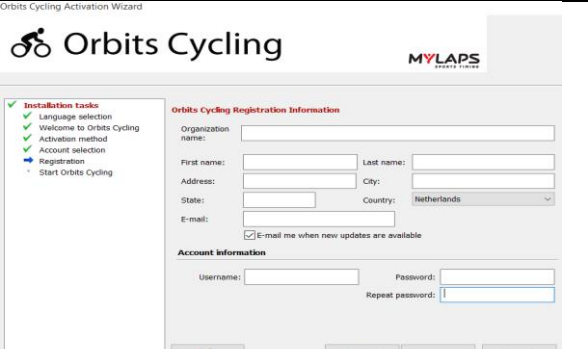
1.3. Downloading

<p>Downloading</p> <ul style="list-style-type: none"> • Click on the download link and save the program onto your PC • Click on the downloaded file to start the installation of the program. • Click on run and follow the instructions of the installation program <p>Shortcuts to Orbits are added under the Start menu and on your desktop.</p>	
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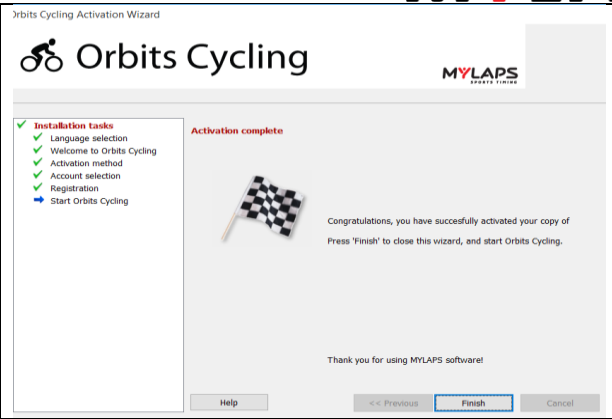
1.4. Activation

Activate the program	<p>You can activate Orbits in two ways:</p> <ul style="list-style-type: none"> • Activate online > this will perform the activation on the computer Orbits is installed on. This way of activating is recommended. • Activate with help of another computer > use this option only, when it is not possible to connect the main computer – the one you installed Orbits on - to the Internet.
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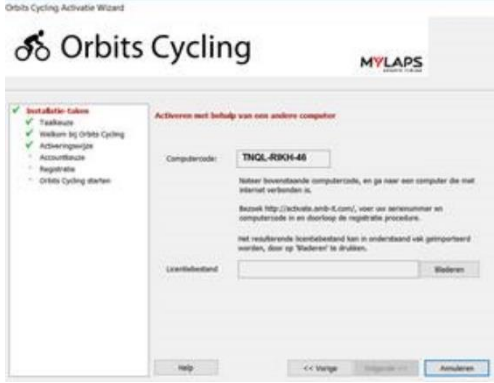
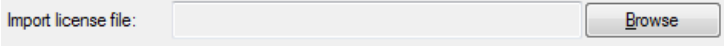
1.5. Activation Online

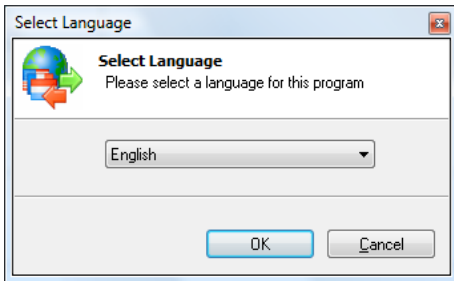
<p>After you clicked on Finish the activation of Orbits Cycling starts. You can now follow the process.</p>	
<p>Choose your language</p> <p>Enter your personal serial number.</p> <p>The serial number can be found in the download link. In the page that follows, you must enter login information from an existing MYLAPS account. This can be one of the following accounts:</p> <ul style="list-style-type: none"> • Account for the MYLAPS support website • Organization account with MYLAPS Results web site that you have used for uploading results to the internet. <p> The organization name you enter, cannot be changed afterwards, and will be visible on the bottom of your print-outs.</p>	
<p>Registration</p> <p>Choose "create a new MYLAPS Support account"</p> <p>If you already created an account, login with your username and password.</p>	
<p>Fill in all your details</p>	

Once you have entered the registration information, the wizard is complete. You can start Orbits Cycling by clicking the 'Finish' button.



1.6. Activate with another computer

<p>To activate with another computer, choose 'Activate with help of another computer' in the 2nd step of the wizard and click 'Next'.</p>	
<p>The wizard will provide you with a computer code that you will need during the activation process. Write down that computer code, and visit http://activate.amb-it.com/ on a computer with Internet connectivity.</p>	
<p>On the website enter your serial number and the generated computer code. The file that contains your license information can be saved on a USB storage device. The website will provide a small license file. With that file, return to the computer with Orbits Cycling, and import the generated file into the wizard by clicking the 'Browse' button. If the file is OK, the Next button will be enabled. Click it to complete the activation process. Orbits Cycling is now fully registered and will be started as soon as you press the finish button</p>	

<p>The program supports multiple languages. The choice of language can be changed before, or after the race. The language can be changed by selecting Help – Change Language, followed by selecting the required language from the drop-down list. If your language is not listed, please contact MYLAPS for the availability.</p> <p>The Orbits Cycling program features an in-depth built-in Windows Help File accessible by selecting Help – Contents or pressing 'F1' in the program.</p>	
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1.7. Start Orbits Cycling

After you activated Orbits Cycling by clicking on "Finish" Orbits Cycling will start. If you already downloaded Orbits Cycling, it can be started by double-clicking the Orbits Cycling shortcut icons on the Windows desktop or via the Windows Start button. Orbits Cycling can be found under Programs -> MYLAPS Sports Timing -> Orbits Cycling.

The Orbits Cycling software consists of two programs, the Orbits Cycling interface and the Orbits Cycling server. The Orbits Cycling server is running in the background and is started automatically when you start the Orbits Cycling program.



The Orbits Cycling server is a separate program running in the background. It handles the communication with the MYLAPS decoder, stores the passings and calculates the results. When the Orbits Cycling server is running, the "red cycling" icon will appear on the Windows taskbar at the bottom right part of your screen. This server should always be running when you use Orbits Cycling.

 The visible parts of the program, the Orbits Cycling user interface, are separate from the Orbits Cycling server. This means that if the Orbits Cycling interface is accidentally shut down, the server is still running, and decoder records will continue to be stored and processed. After restarting Orbits, the race can be continued without loss of data. The server is started automatically when the Orbits Cycling program is started. When the Orbits Cycling program is shut down, the Orbits Cycling server will keep running. Shutting down the server is possible by clicking the right mouse button on the server icon and selecting **Exit Orbits Cycling Server** or click on the icon when it is requested to shut down after finishing Orbits Cycling.

The Interface consists of six sections – six tabs:



Setup> In this section you can schedule race events, perform the system setup, monitor the system status and connect to your decoder(s).

Registration> In this section you can manage your time schedule and enter competitor data. Orbits Cycling uses a database to store all known competitors.

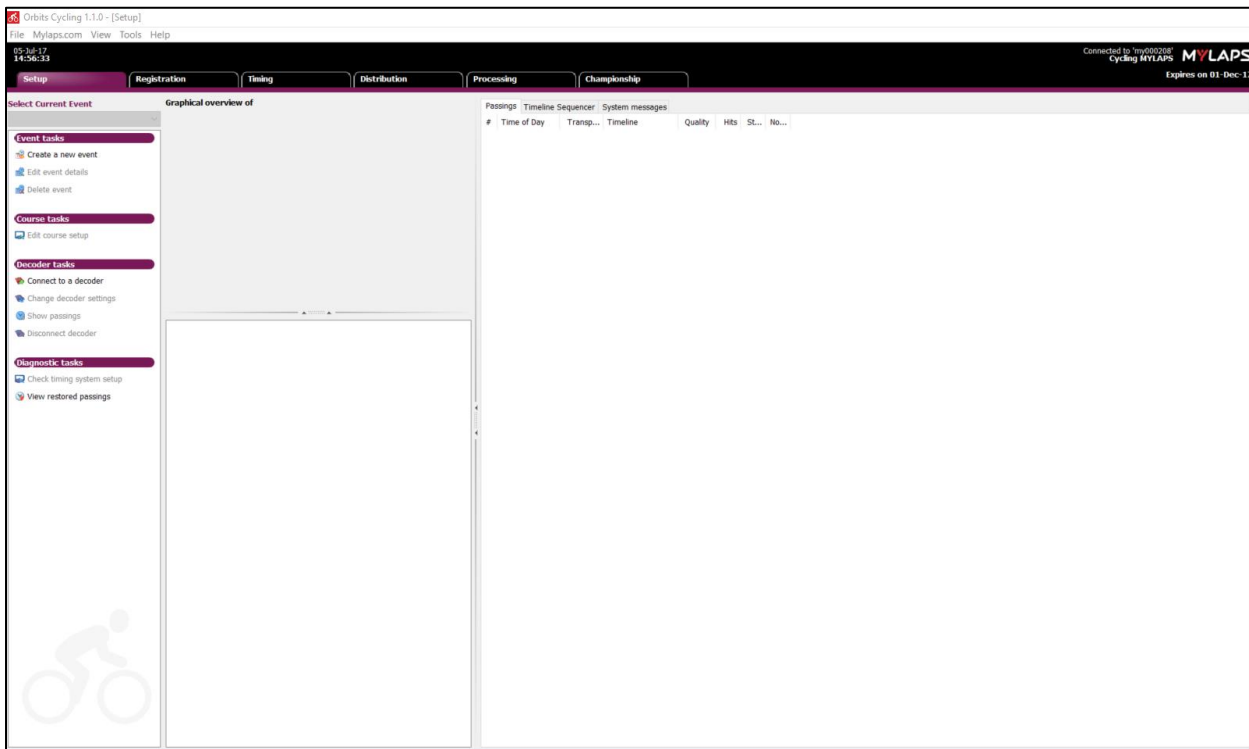
Timing> The timing section gives access to functions that are relevant during different stages of a timed run, e.g. functions related to runs, competitors in a run and passing data.

Distribution> In this section you can upload your results to MYLAPS.com

Processing> This section includes the functionality to organize run results and is used after a run has finished. The processing section hosts different functions like printing results, creating starting grids, assigning points to a run and merging results.

Championship> This championship section includes the functionality to organize and manage the championship standings.

Default overview Orbits Cycling



2. Setup



Click on the Setup tab

	<p>In this section, you find:</p> <p>Event tasks Create a new event Edit event details Delete event</p> <p>Course tasks Edit course setup</p> <p>Decoder tasks Connect to a decoder Change decoder settings Show passings Disconnect decoder</p> <p>Diagnostics tasks Check timing system setup View restored passings</p>
--	--

Event tasks

Open the event setup page of the program by clicking on the **Setup tab** at the top of the program or the View menu. Orbits Cycling program stores the race result per event. This means that prior to each event you hold, a new event must be created in Orbits Cycling. Since an event is run at a course, you also need to specify your timing system setup. The current selected event is displayed at the top left of the screen.



2.1. Create a new event

You can create a new event from the Event Setup page. Click on **Create a new event** to start the 'New Event wizard'. Now the wizard will guide you through this process.

You can specify the following info on the first page of the wizard.

Event Name:

The name of the event.

Begin Date and End Date:

The start and the end date of the event.

Event Footer 1, 2, 3, 4

The text that should be displayed on the footer of the printouts.

In the event footer, you can add of the organizer, timer, date etc.

The wizard will ask which system setup you are using.

You have the option to

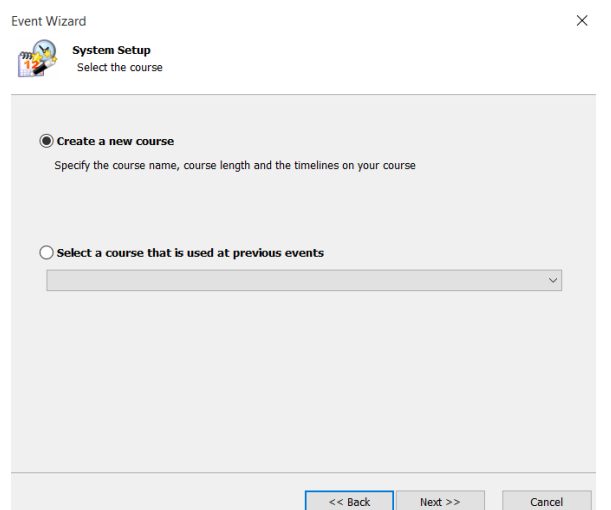
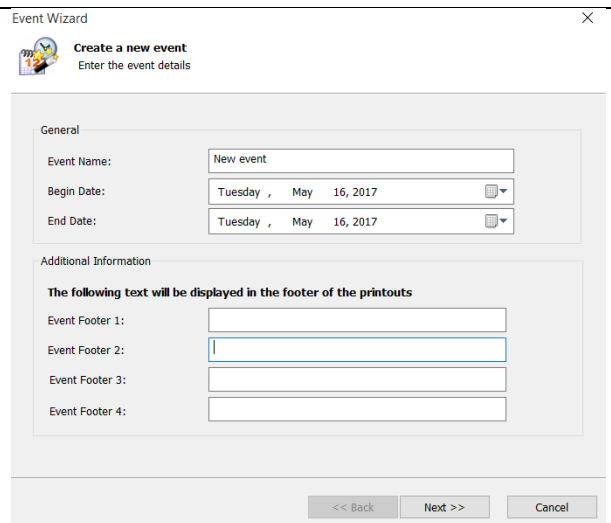
- Create a new course
- Select a setup that is used at previous events.

We start with "create a new course"

Click on "next" and fill in all course details about your event.

General details:

- Name of the course
- Length
-



Photocell:

- Use photocells
- Photocell Timeout
- Photocell Separation

Name
The name of the course. E/g you can choose the name of the track or location.

Length
The length

of the course is used to calculate the speed shown on the qualifying and race results. Depending on unit of the course length specified (km or miles) the speed (during the race and in the results) will be shown in km or miles.

Use Photocells

Select this option when you want to use photocells as backup time keeping system. Connect the photocells to the start/finish decoder.

Photocell Timeout:

When photocells are connected to the decoder, Orbits Cycling uses the photocell inputs as a backup source for timing. If a competitor with a transponder is passing the finish line, Orbits Cycling will receive both photocell time and transponder time from the decoder, and assign them to the same passing. If a competitor without a transponder passes the finish line, Orbits Cycling only receives a photocell time and will ask you to identify the competitor number.

The photocell timeout is used to set the time Orbits Cycling will wait for a transponder input after receiving a photocell input. The value is default set to 2000msec. The lower this value, the sooner Orbits Cycling will generate an alarm if a competitor without a transponder is detected by the photocell.

When you click on default, all settings will be set to the original settings.

Photocell separation:

The separation is used by Orbits Cycling to determine whether a photocell time can be assigned to a transponder passing time. The smaller this value, the more accurate Orbits Cycling will be able to detect competitors without a transponder. If the separation is set too small, a competitor with a transponder, passing the finish line, will also generate a photocell time, for which Orbits Cycling will ask you to identify the competitor number.

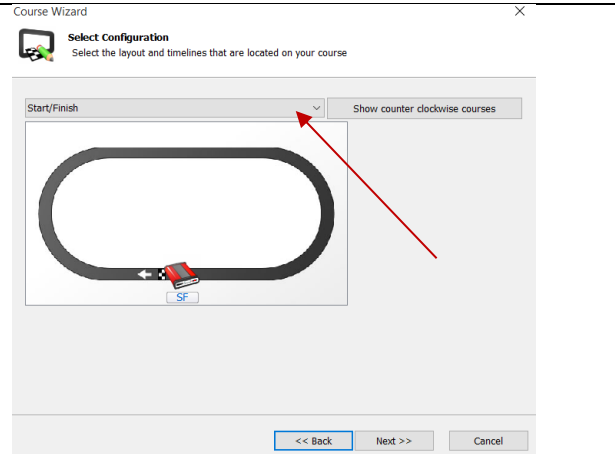
Select configuration

After you filled in all General details of your course, you must select the course configuration. Depending on the number of timelines on your course you can select your configuration from the list. The following configurations are installed by default.

The course layout shows the timelines on the course. Each timeline has a unique name in this configuration. Orbits Cycling has several built-in configurations available. If your configuration is not listed, please contact your local MYLAPS office

Choose your timeline

When you open the pull-down menu, you can choose between different timelines



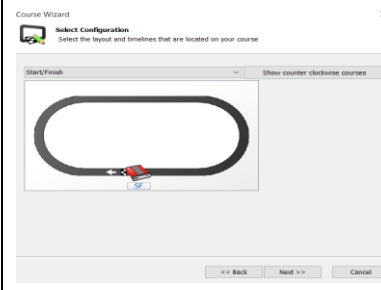
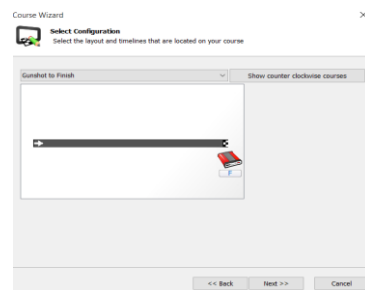
The

different timelines:

1 Timeline

Orbits offers the following configurations with 1 timeline.

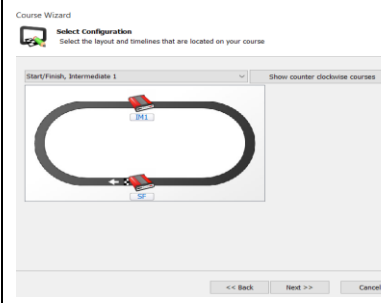
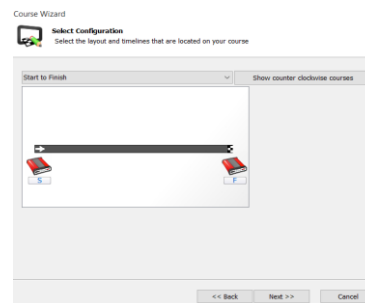
- Gun Shot to Finish
- Start/Finish



2 Timelines

Orbits offers the following configurations with 2 timelines.

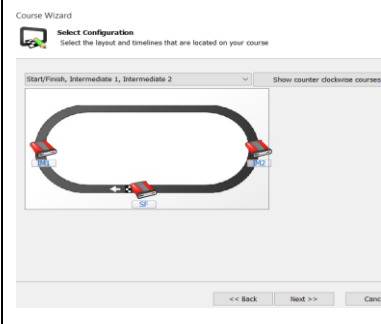
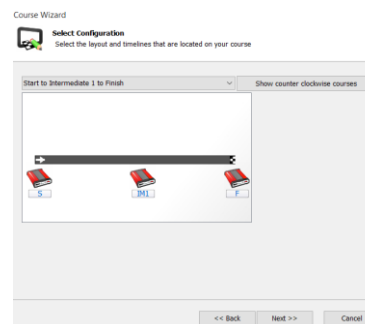
- Start to Finish
- Start/Finish, Intermediate 1



3 Timelines

Orbits offers the following configurations with 3 timelines.

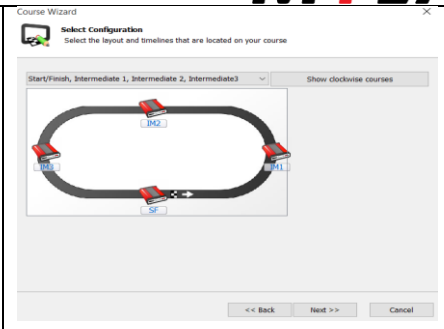
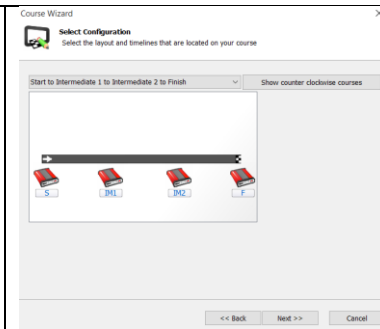
- Start to Intermediate 1 to Finish
- Start/Finish, Intermediate 1, Intermediate 2



4 Timelines

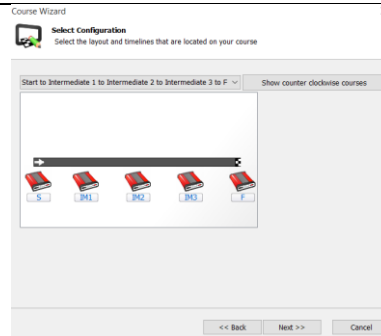
Orbits offers the following configurations with 4 timelines.

- Start to Intermediate 1 to Intermediate 2 to Finish
- Start/Finish, Intermediate 1, Intermediate 2, Intermediate 3



5 Timelines

- Orbits offers the following configurations with 5 timelines.
- Start to Intermediate 1 to Intermediate 2 to Intermediate 3 to Finish



If you want your track clockwise, you first click on "show clockwise courses" then you select the configuration. You can choose "clockwise" in the configuration step. The arrow will be shown clockwise.

Show clockwise courses

After you chose your timeline, apply the course set up.

After you select a timeline, click on "next" to fill in the section names and length. Depending on your selected configuration the program will ask you to fill in the section names and section length.

Click on the first section, fill in the section name, short name, display, length and extra.

Section name

The description of a logical section.

Short Name

The short description of this logical section will be used in the result screens. It can be 6 characters long.

Display

For this section, you can choose between "Time, Speed or Time and speed"

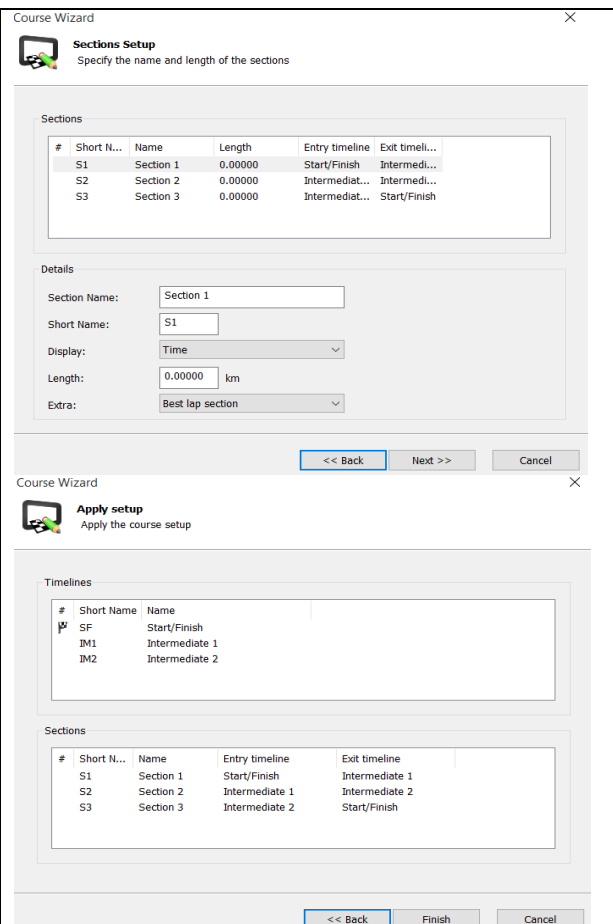
Length

Length of the section. This number must be very accurate, as it will be used in speed calculations. This number will either be in kilometres or miles depending on the used length unit (kilometres or miles). The length will be from the first timepoint to the second. From the second to the third etc.

Extra

For this section, you can choose between "best lap section or none"

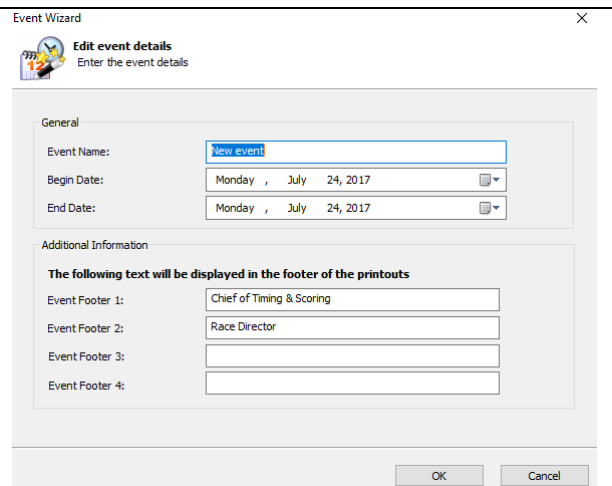
An overview of your set up will follow. After clicking "finish" all your settings are applied.



2.2. Editevent details

If you want to edit your event details, click on this field in the menu.

Change the details and click on ok.



The screenshot shows a dialog box titled "Event Wizard" with a close button (X) in the top right corner. Below the title bar, there is a small icon and the text "Edit event details" and "Enter the event details". The dialog is divided into two sections: "General" and "Additional Information".

General

Event Name:

Begin Date: [calendar icon]

End Date: [calendar icon]

Additional Information

The following text will be displayed in the footer of the printouts

Event Footer 1:

Event Footer 2:

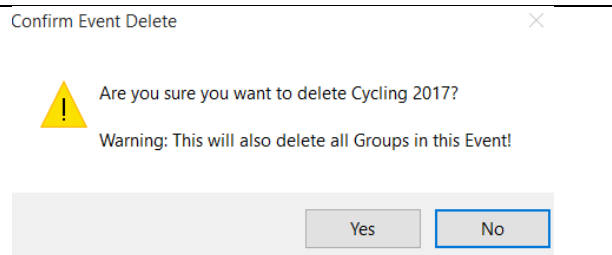
Event Footer 3:

Event Footer 4:

At the bottom right, there are "OK" and "Cancel" buttons.

2.3. Delete event

If you want to delete your event
Select "delete event" and click on "yes"



The screenshot shows a dialog box titled "Confirm Event Delete" with a close button (X) in the top right corner. It features a yellow warning triangle icon on the left. The text inside reads:

Are you sure you want to delete Cycling 2017?
Warning: This will also delete all Groups in this Event!

At the bottom, there are "Yes" and "No" buttons. The "No" button is highlighted with a blue border.

Course tasks

2.4. Edit course setup

Here you can change your course setup.

General details:

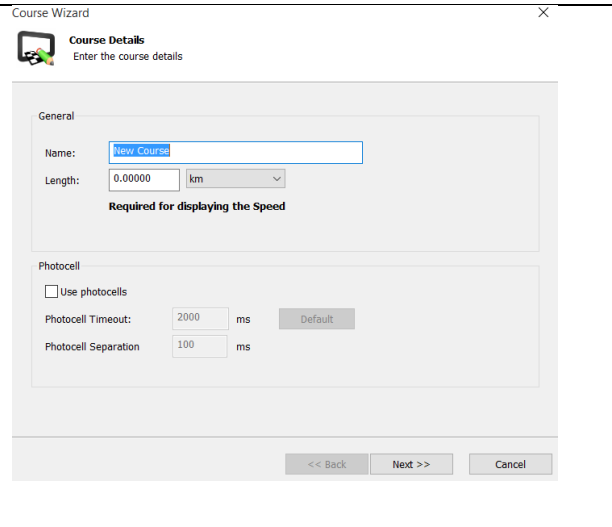
- Name
- Length

Photocell details:

- Use photocells
- Photocell Timeout
- Photocell Separation

After you click on next, you can change the course details.

Once you changed all details, apply the setup and click on "finish"



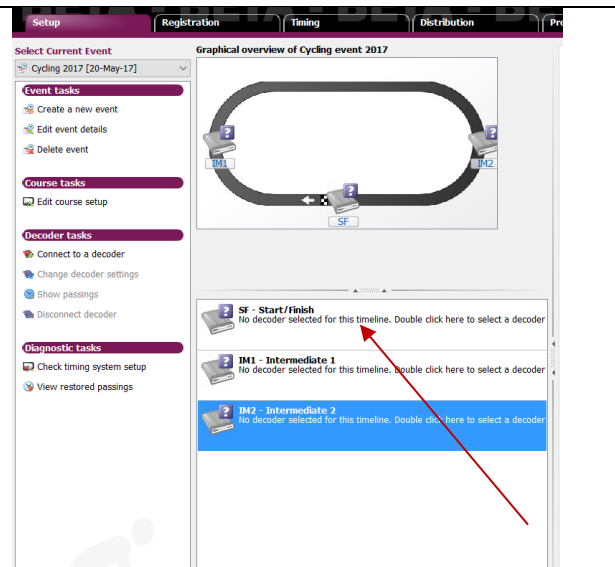
We can arrange a custom-made track set up for your track/velodrome. Please contact us info@mylaps.com

Decoder tasks

2.5. Connect to a decoder

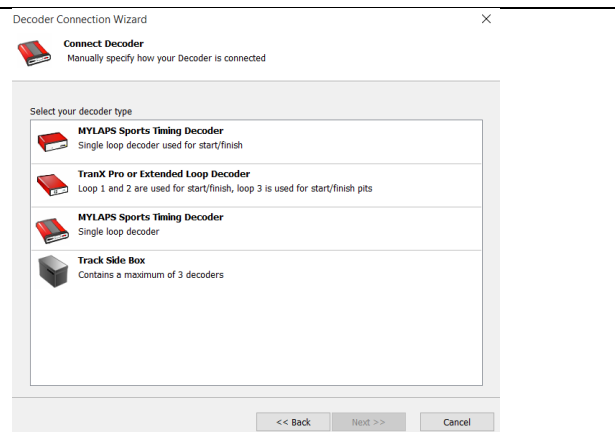
After you have created your event and configured your timing system setup, you can select your ProChip decoders.

To connect to a MYLAPS decoder, you can double click on a timeline, or choose to register a new decoder from the system setup tasks. Now the 'Decoder Connection Wizard' will open. The wizard first scans the network for available decoders. On the first page, all decoders that are found in the network are listed on the screen.

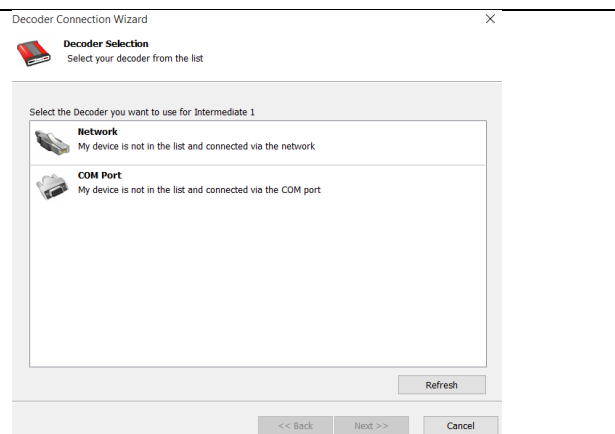


Now the 'Decoder Connection Wizard' will open. The wizard first scans the network for available decoders. On the first page, all decoders that are found in the network are listed on the screen.

Select the decoder you want to use and click on the **Next** button.



If you get this screen, you are not connected to a decoder/no decoder can be found.



Network

If your decoder is connected to your network, select your decoder – click next.

If your decoder is connected to your network, but not in your list, you must add the decoder manually by selecting Network option from the selection list and select the type of decoder.

Enter the IP address of the decoder. See connection issues for more info about the decoders IP address

COM Port

If the decoder is attached to the serial-port of the computer, you must add the decoder manually by selecting the COM Port option from the selection list. Now you need to select the COM Port from the choice list.

Choose your decoder and click to see other settings

- Change ChipX Decoder settings
- Show passings
- Disconnect ChipX Decoder

Change Decoder settings:

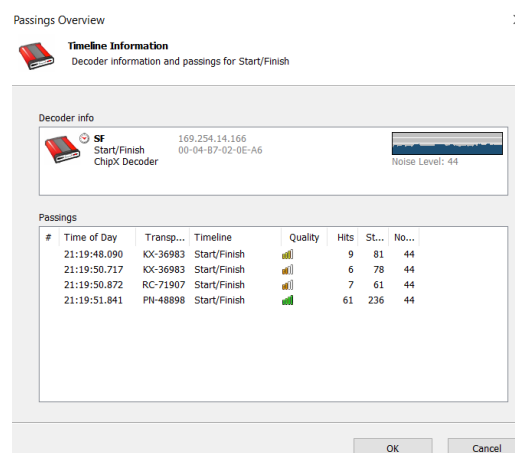
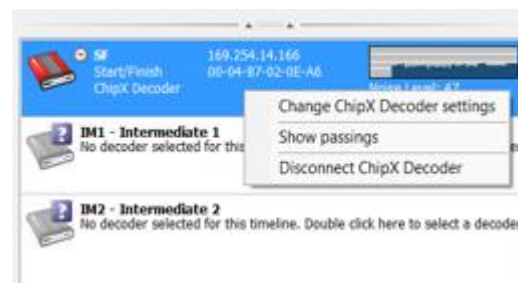
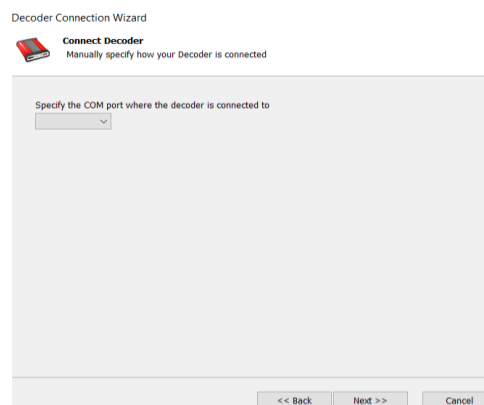
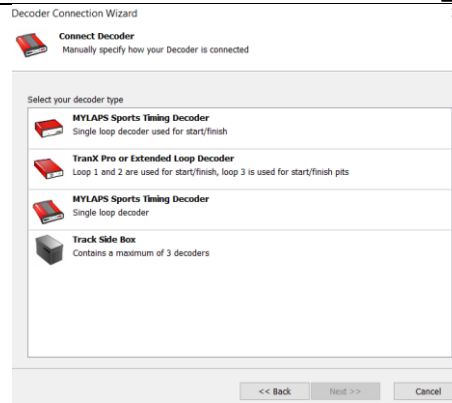
You will get the same details as when you double click on the selected decoder.

Show passings:

To analyse the transponders on a timeline you can select the passings tab

- **Hits** The number of hits of the last passing
- **Strength** The strength of the last passing for that transponder.
- **Noise** The noise during the last passing.

The background noise in combination with the signal strength is the most important indicator of the performance of the hardware system. If a decoder is connected to the computer, the background noise will be indicated in the timeline status screen.



The average background noise is sent to the computer by the decoder every five seconds.

Noise values:

0 – The loop is not detected

10-30 noise level is ok

30-50 noise level is medium

50+ noise level is high, not reliable detection.

Disconnect decoder:

If you want to delete a decoder, click on “disconnect decoder”. Select the decoder you want to disconnect and click on yes.

Disconnect Decoder



Are you sure you want to disconnect from the selected decoder?

Yes

No

Graphical overview of your event.

When your decoder is connected, correctly, you see and graphical overview of your event.

If you have more timelines, you can now add other the other decoders to your track.

Make sure every decoder has a green mark.

Noise level:

If your noise level is too high, passings might not be detected.

Satellites:

The amount of satellites visible for the decoder.

Settings of ChipX Decoder

If you click on the decoder, you get the settings of Chip X decoder.

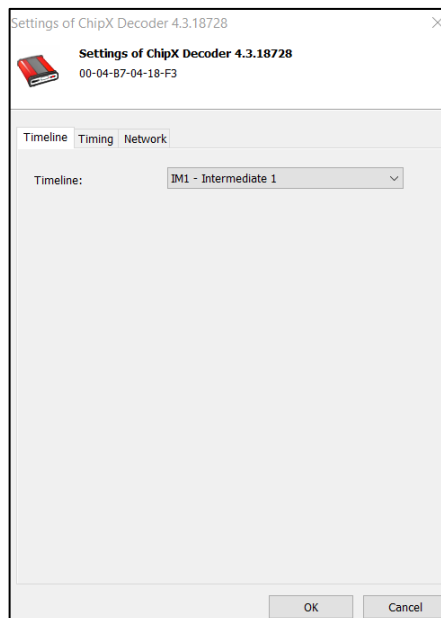
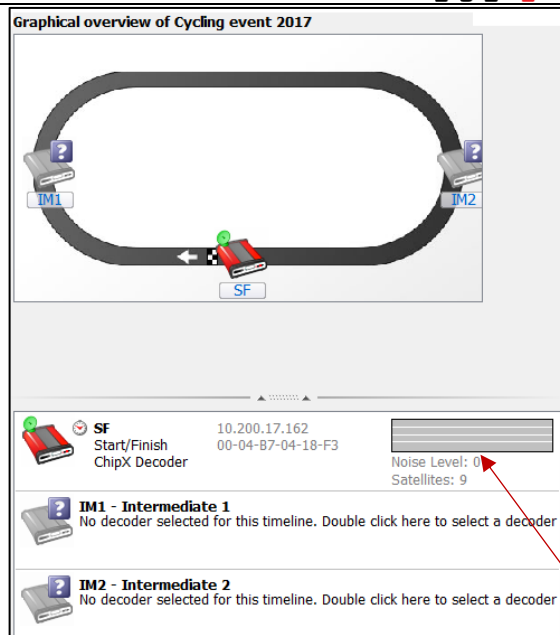
You see 3 different tabs:

- Timeline
- Timing
- Network

Timeline

You can change your timeline by selecting and click on ok.

You will see the change in the graphical overview.



Timing:

Different options:

Input Settings

- Photocell 1
- Photocell 2
- External Start
- Use wireless photocells

⚠ Each input must have a unique setting.

Timing Settings

- Squelch
- Gate Time
- Photocell 1 holdoff
- Photocell 2 holdoff

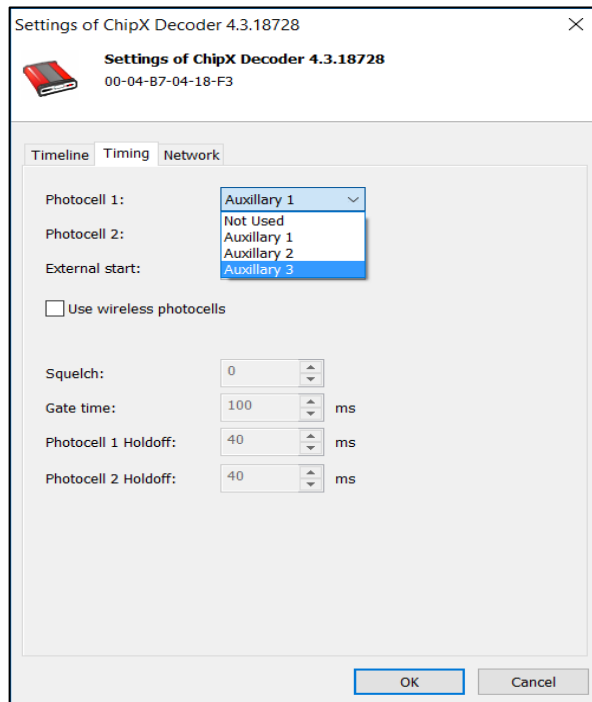
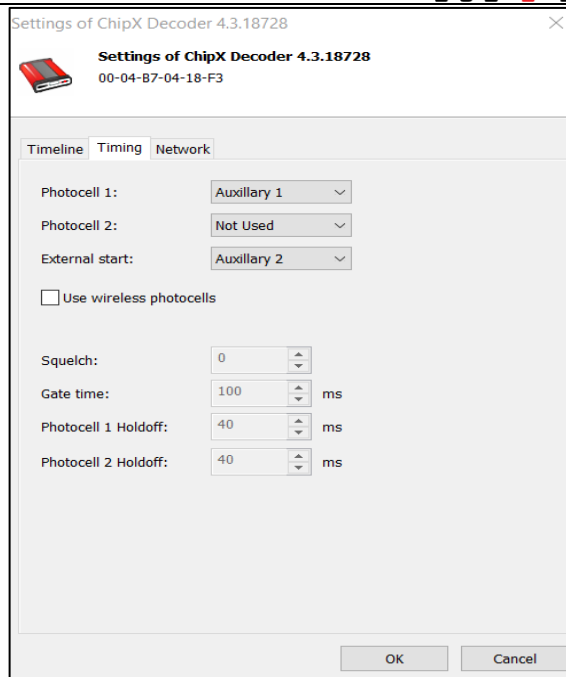
⚠ These settings are "read only" values

Network:

Network settings for a type 3 decoder cannot be changed in this Dialog; Settings are changed on the display of the decoder.

Here you find the details of:

- IP address
- Subnet Mask



Serial number is red?

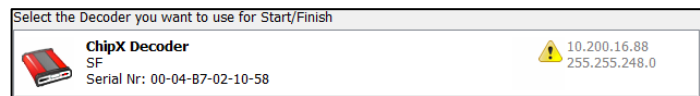
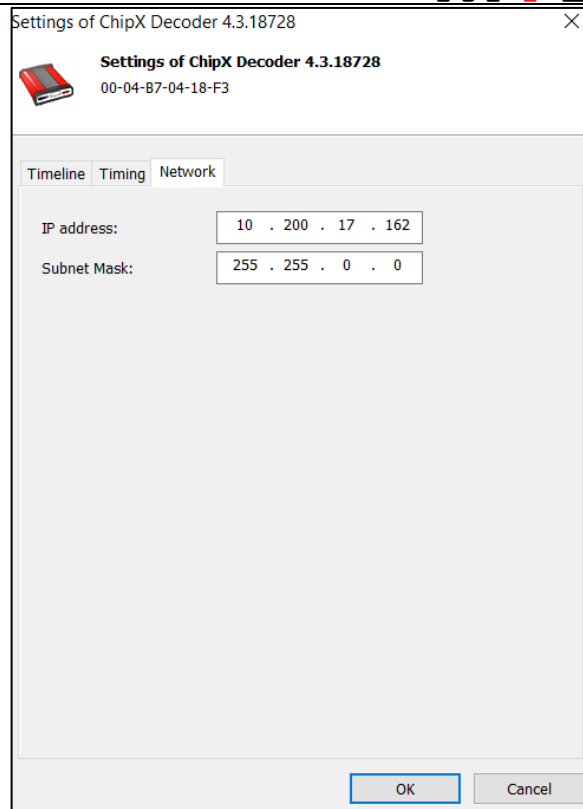
If the serial number is highlighted red, this means you need to upgrade your decoder firmware. To update a decoder, go to the support section of the MYLAPS website or click the button Check for available updates (Online).

IP address has a warning icon?

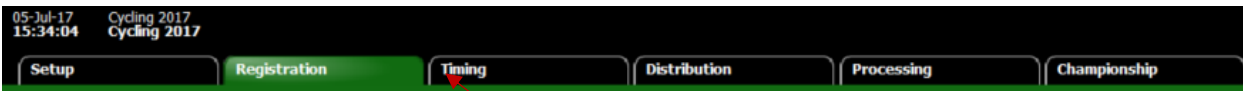
If the IP Address is not in the same network range as the computer a warning icon will appear. This means that you need to change the IP Address of the decoder. You can do this by right clicking on the decoder and select change decoder settings. You can now connect to your decoder by selecting it from the list and hit the Next button.

My decoder is not in the list?

If your decoder is not listed first check if it is powered on and that all connectors are firmly in place. If it still does not connect it is possible that the decoder has an old firmware version. Manually connect to the decoder by selecting the network option and hitting the **next** button. You can now enter your IP Address, hit the **Next** button to connect. If it connects it means that the decoder firmware needs to be updated. It is possible to do timing in compatibility mode, but some new features will not be supported



3.Registration



Click on the Registration tab

	<p>In this section you find:</p> <p>Group and run tasks Create a new group Copy group Create a new run Import groups and runs Export groups and runs View time schedule</p> <p>Competitor tasks Show competitor database (F3) Import competitors Export competitors Starting sequence Print</p> <p>Other tasks Switch view</p>
--	---

The screen is divided into two main sections:

- The Groups and Runs screen
- The Detailed screen

Group and run tasks

3.1. Create a new group

Start by clicking on "Create a new group" under the group and run tasks.

Now the Group Wizard will start. You first need to enter the group name and group description

Here are some examples of group names.

- Boys
- Girls
- Man
- Woman

After selecting a new group, you can enter the Time schedule for the group. This time is still flexible and can be changed. This is not the actual start time, but an indication.

Each group prepared for an event can hold a series of runs.

To add a new run to this group, you can click on the **Add Run** button.

Select the "new run"

Give the selected run a name, type, short time, date and start time of the session.

In "type" you can choose:

- Practice
- Race
- Time trial
- Handicap

Click on the **Advanced** button to enter the detailed run settings

- General
- Timing
- Categories

General

Here you fill in all general details about your new run.

Timing

Start Method

This property indicates how the start of the race is defined. The possibilities are:

- **Start on Gunshot** > the elapsed time is measured from the dropping of the Gunshot. A session can also be started using an external start pulse connected to the photocell 2 input of the MYLAPS decoder. The external start pulse will result in a Gunshot passing to be inserted. Run must be in warm-up mode to activate this function
- **Staggered Start** > each competitor has his own starting time, triggered by passing the start/finish line.

First Passing

- None
- Counts as completed lap
- Counts as completed lap, calculates lap time from gunshot

First passing

Normally the first two passings will count as one lap (one passing for starting and one passing for completing the first lap). If this option is set to Count as completed lap, the first passing of the start/finish line of each vehicle will count as the first completed lap.

Whether to count the first passing is dependent on several factors such as the distance between the starting location and the start/finish line (the detection loop).

⚠ You should try to grid the competitors at least 5m/15ft from the detection loop to prevent premature detection.

Minimum lap time:

Lap times recorded below the specified minimum lap time will be automatically invalidated and are displayed in red in the passing screen. An invalidated passing will count as a lap, but will not be used for determining best lap time. The minimum lap time value can be changed at any time, also when timing a session.

⚠ Passings with lap times that are faster than 3 seconds will be automatically deleted.

Create another group for this event.

If you want to use the same run details for another group, click on "create a new group" and click to you see "create another group for this event"

The same details will be saved, an extra group has been made.

Run Settings

Create a new run in

General **Timing** Categories

Start Method: Start on gunshot

First Passing: None

Minimum lap time: 00:00 mm:ss

Don't copy competitors from group (in case of unrelated transponder passings)

OK Cancel

Group wizard

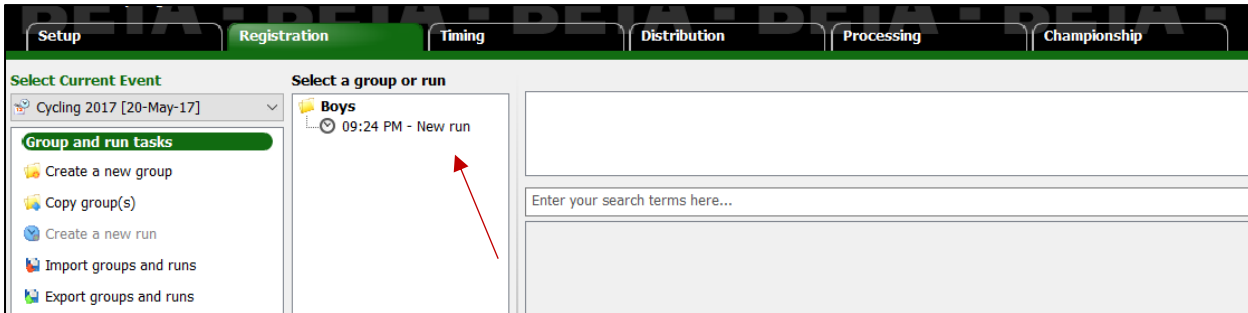
Group created
The group is successfully created

Create another group for this event
Create a new group using the "create group wizard"

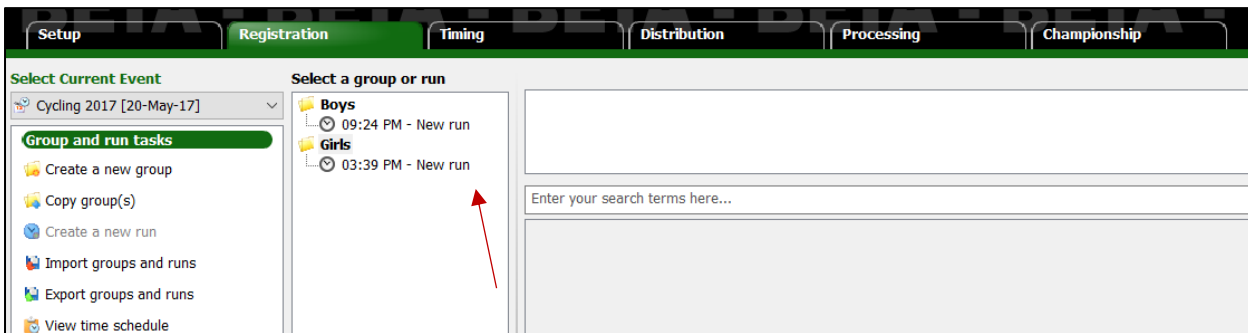
Finished creating groups and runs

<< Back Finish Cancel

After you created a new run, the run will show in the groups a run screen



An extra group with the same run details.



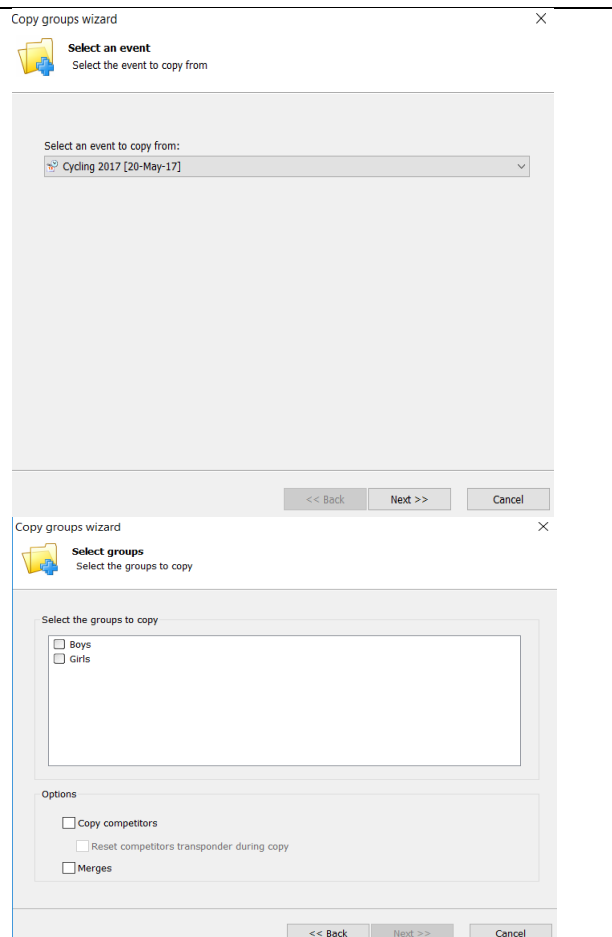
3.2. Copy groups

Group(s) from a previous event or the complete schedule including the competitors and merges can be copied in the current event using the Copy group(s) option in the task menu of Group and Run.

Select the group(s) and click on next.

Options:

- Copy competitors
- Reset competitors' transponder during copy
- Merges



3.3. Create a new run

Click on create a new run.
Select a group you want to add the new run to.

You are now creating a new run in the selected group. Fill in all details:

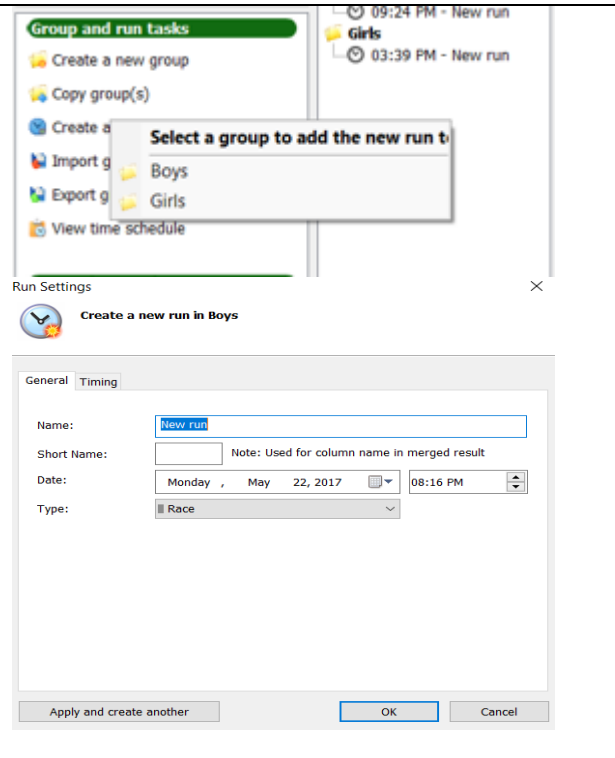
General:

Name – choose the name of your run
Short name – choose a short name
Date – on which date and time
Type – choose for
Practice/race/time trial/handicap.

Timing:

Start method – choose for start on gunshot or staggered start.
First passing
Minimum lap time.

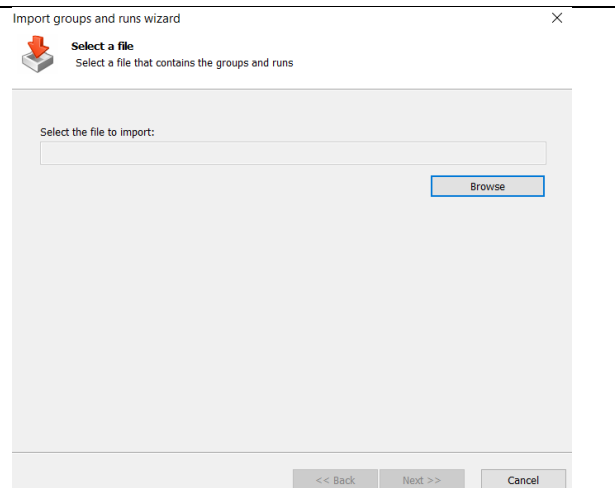
Click on ok and a new run in your selected group is created.



3.4. Import groups and runs

Group and run information stored in xml file can be imported in Orbits Cycling. For details about the format, see Appendix B – File Formats

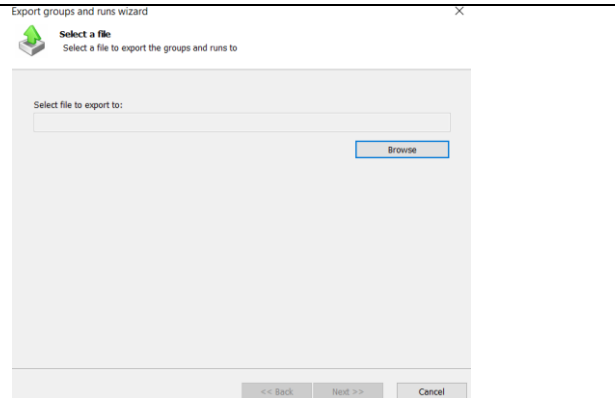
Select a file to import



3.5. Export groups and runs

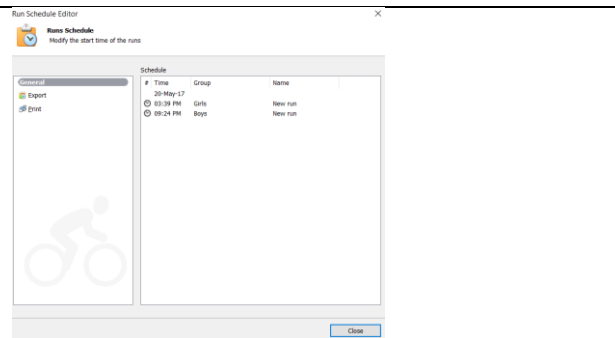
Group and run information stored can be exported in an xml format. For details about the format, see Appendix B – File Formats

Select a file to export to.



3.6. View time schedule

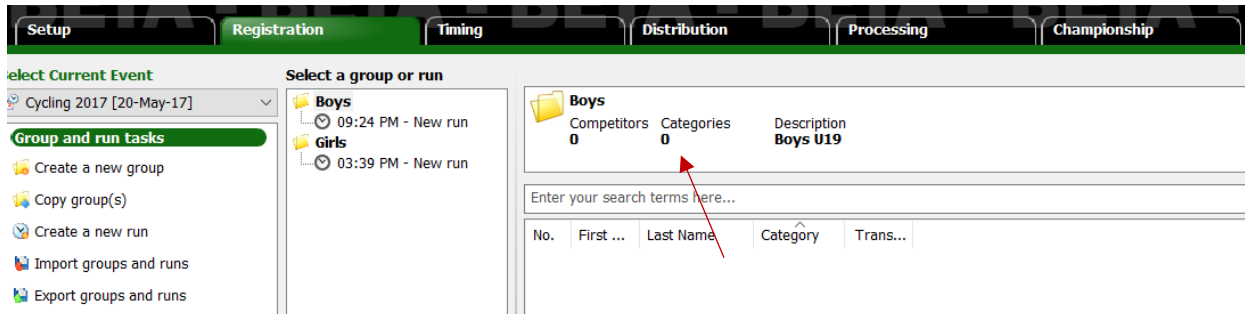
The time schedule can be consulted, exported or Printed by selecting the View time schedule.



Competitor tasks

3.7. Competitor database (F3)

If you click on group e/g "Boys" you see a detailed screen.



You see no competitors and no categories. How to create competitors and categories?

Competitor database (F3)

In the competitor database, the competitors are stored in categories. A competitor can belong to only one category. If a competitor competes in more than one, he must be entered separately for each category.

When a category is selected (on the left) in the list, only the competitors in that are shown. When multiple categories are selected, the competitors in the selected categories are shown.

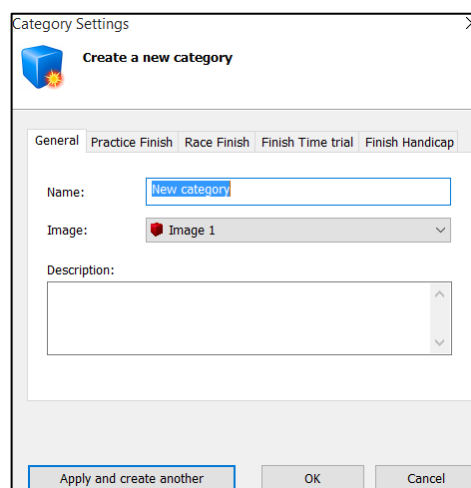
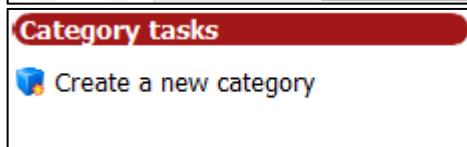
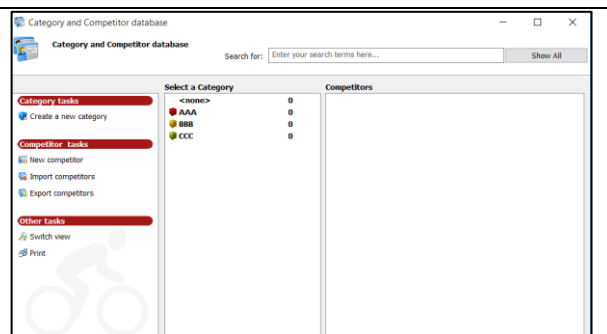
When you press **Show All**, all competitors in the database are shown. A category is created automatically when it is entered for a new or existing competitor.

You can also create a category by right mouse clicking on the list of classes and selecting "Make a new category".

Make a new category.

To make identification easy, competitors that are in the same category are marked with the same coloured block.

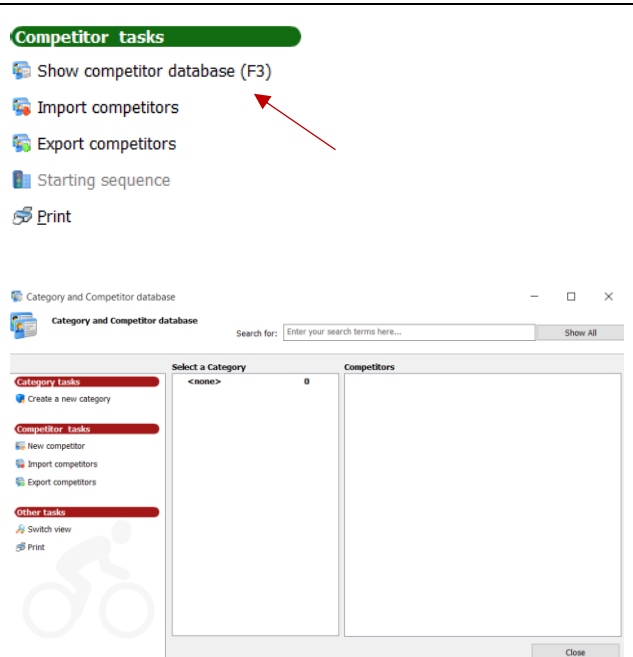
You already created a group e/g Boys
In this group, you create a category e/g Boys U19



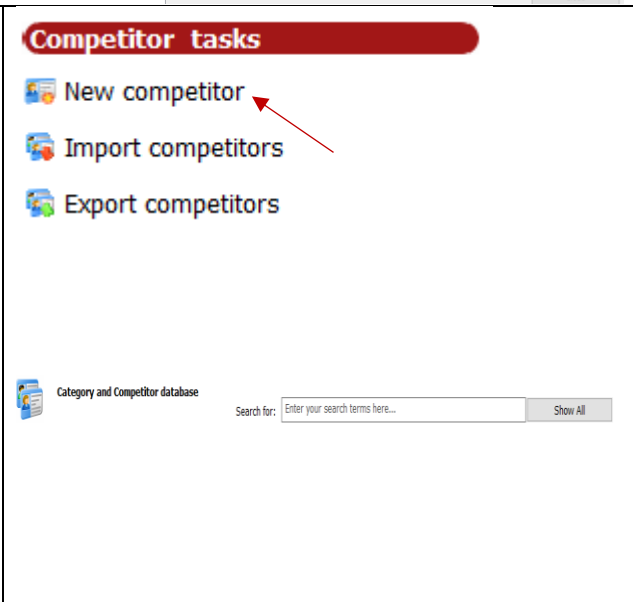


3.8. Create a new competitor

All competitors are stored in one competitor database. This database can be used for every race event. The competitor database can be shown by clicking on the Show competitor database option on the taskbar on the left from the registration screen



To create a new competitor, right click in the competitor screen and select **New Competitor**.



You can search the database for specific competitors using the **Search** bar.

To show all competitors again, click the **Show All** button.

In the competitor database, the competitors are stored in categories. A competitor can belong to only one category. If a competitor competes in more than one, he must be entered separately for each category.

When a category is selected (on the left) in the list, only the competitors in that are shown. When multiple categories are selected, the competitors in the selected categories are shown. When you press **Show All**, all competitors in the database are shown. A category is created automatically when it is entered for a new or existing competitor. You can also create a category by right mouse clicking on the list of classes and selecting **Make a new category**.

To make identification easy, competitors that are in the same category are marked with the same coloured block.

Competitor settings

Create a new competitor in Competitor database *

Bike Details

No: Transponder:

Category: 2nd Transponder:

Bike Reg:

Auto Generate

Competitor details

First Name: Last Name:

Comp. Reg: Auto Generate

License Cat.: Hometown:

Sex: License No.:

Club: Sponsor:

Nat./State: Email:

Points:

Next OK Cancel

No

Orbits Cycling accepts 4-digit alphanumeric starting numbers.

Category

In the category drop down box, all categories from the Competitor Database are listed. If a category was selected on selecting **Add Competitor**, this category will be preselected. You can either select an existing category or fill out a new one.

Transponder/2nd Transponder – Pro Chip (Flex)

It is necessary to fill out the transponder number(s) of the competitor. The 2nd transponder field can be used in case a bicycle is equipped with a new transponder during a session.

Bike Reg.

The bike registration number is a unique number for a bicycle (e.g. chassis number). If you do not know this number you can let Orbits generate a unique number for you by selecting **Auto generate**.

⚠️ The combination of bike registration number and competitor registration number is unique for each competitor. It is used by Orbits as a key, and cannot be modified. Therefore, it is important to enter this information accurately.

First Name/Last Name

The first and last name fields must be filled out carefully to make the sorting on name work correctly. If you want 'Mc Donalds' to be sorted on 'Donalds', please place 'Mc' in the first name field. In the results on screen and on printouts, the full name will be printed as the full name, with first name and last name after each other. If you want the program to first display the last name and then the first name, please enter the last name in the First Name field and vice versa.

Competitor Reg.

The competitor registration number is a unique number for a competitor (e.g. license number). If you do not know this number you can let Orbits generate a unique number for you by selecting Auto generate.

⚠️ The combination of bike registration number and competitor registration number is unique for each competitor. It is used by Orbits as a key, and cannot be modified.

Bike Details

No: Transponder:

Category: 2nd Transponder:

Bike Reg:

Auto Generate

Competitor details

First Name: Last Name:

Comp. Reg: Auto Generate

Therefore, it is important to enter this information accurately.

Additional data fields

In the additional data fields you can enter any necessary additional data on the competitor. Headings for all additional data fields can be named in the General Settings (Tools->Options... -> General from the main menu). For three of the additional data fields the value can either be entered by hand or selected from a drop-down box, which contains all previous entries. Points will be given after the race.

To enter another competitor, select the **Next** button. Once all competitors are entered select the **OK** button.

You now get an overview with all competitors and all categories.

3.9. Managing competitors

By clicking the right mouse button on a competitor in the Competitor database a pop-up menu will appear for adding, editing or deleting competitors.

- Add competitors to selected group
- New competitor
- Edit competitor "E/g Joan Neill"
- Delete competitor "E/g Joan Neill"
- Reset transponders
- Select all
- Choose columns

Add new competitors to selected group:

You have created groups, categories and competitors.

You now going to add competitors to fill the group.

New competitor.

If you want to add a new competitor, click on "add a new competitor" and fill in all details.

E/g Edit competitor "Joan Neill"

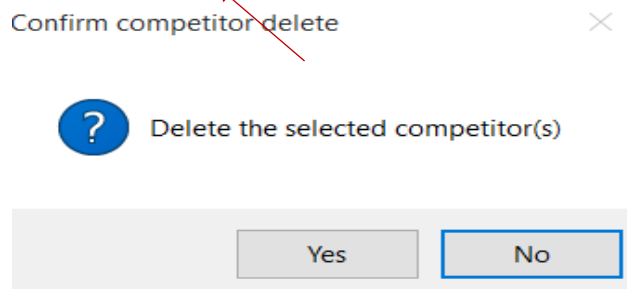
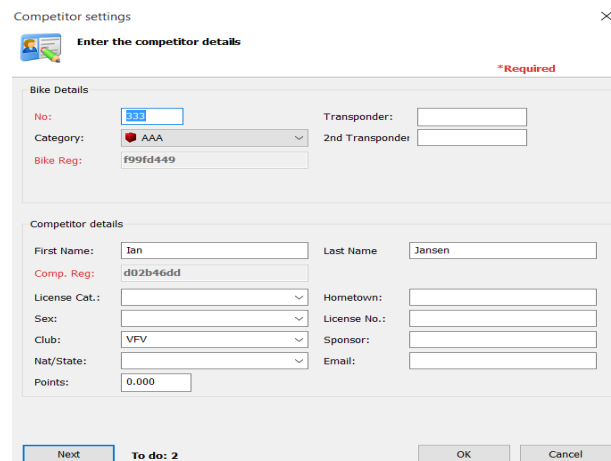
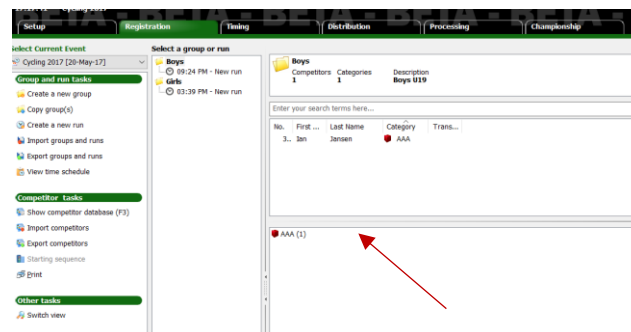
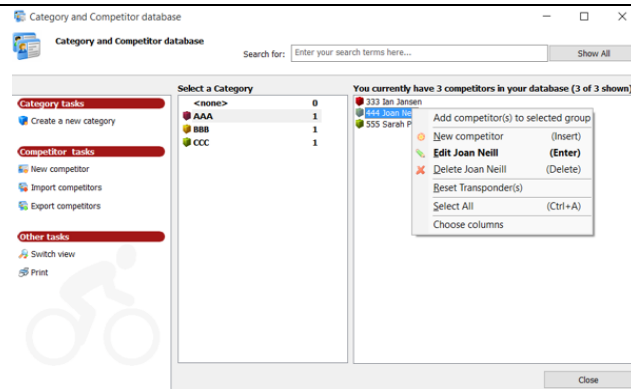
If you want to edit a competitor, click on the competitor. The competitor screen will pop up, so you can change the details.

If you selected multiple competitors to edit, all screens will pop up, but you only see one. On the bottom part of the competitor screen you see how many competitors you should have.

Deleting competitor "Joan Neill":

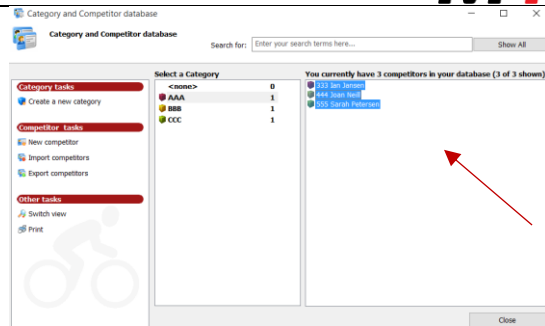
To delete one or more competitors, highlight them, click the right mouse button and select Delete. You will be asked to confirm that you want to delete the selected competitors.

⚠ this question will only be asked once, even if you have selected multiple competitors for deletion.



Select all:

By clicking "select all" all competitors will be selected. You can choose if you want to add them all to a selected group, edit, delete or reset the transponders for all of them.



Reset transponders:

If you want to reset them, you can choose to change them per competitor or for a selected group.

Reset the Transponders



Reset the transponder(s) of the selected competitors?

Yes

No

3.9. Import competitors

From the competitor database, you can start importing competitors from a file. Click on **Import competitors** to start the import wizard.

There are different ways to import competitors.

- Copy competitors from database
- Copy competitors from group or run
- Import competitors from file

Copy competitors from database

Select the competitors to import.
You can select them all or per competitor.

When the selection is complete, click on next and on finish.

Copy competitors for group or run

Copy the competitors from another run or group.
Select the group or run, click on next and finish.

Import competitors from file

Import competitors from a text or CSV file.
Click on browse and select the file you want to use.

Competitor tasks

- Show competitor database (F3)
- Import competitors** (indicated by a red arrow)
- Export competitors
- Starting sequence
- Print

Import competitors wizard

Import competitors
Import competitors in the selected group or run

Copy competitors from database
Copy the competitors from the competitor database

Copy competitors from group or run
Copy the competitors from another group or run

Import competitors from file
Import competitors from a text or CSV file

<< Back Next >> Cancel

Import competitors wizard

Select competitors
Select the competitors to import

Select competitors to import:

No.	First Name	Last Name	Category	Bike Reg	Comp. Reg	Transpon...	2nd T
<input checked="" type="checkbox"/> 333	Ian	Jansen	AAA	F99f0449	d02b46dd		
<input checked="" type="checkbox"/> 444	Joan	Neill	BBB	F72d8c6	bf2a7706		
<input checked="" type="checkbox"/> 555	Sarah	Petersen	CCC	9f9f1404	fff6104		

< >

Select all Deselect all

<< Back Next >> Cancel

Import competitors wizard

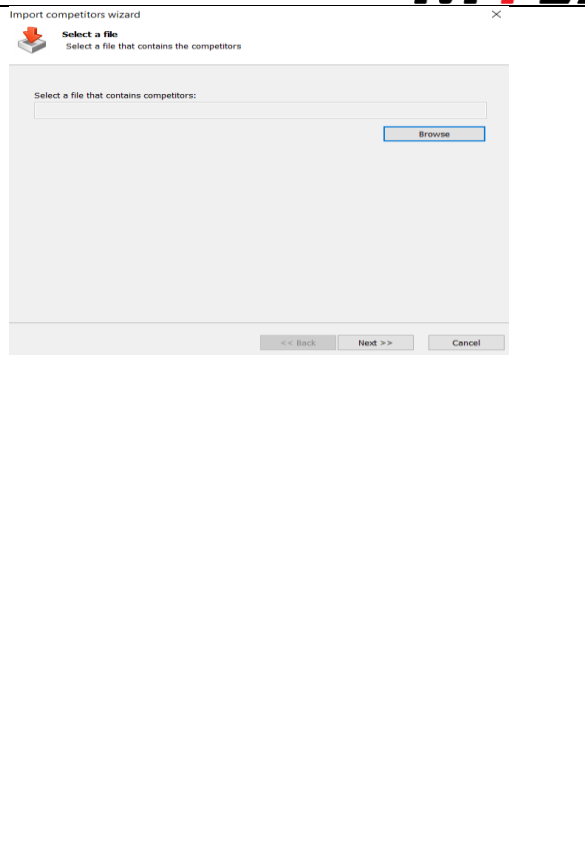
Copy competitors from group or run
Select a group or run to copy the competitors from

Groups and runs:

- Competitor and Category Database
 - Cycling 2017
 - Boys
 - 09:24 PM - New run
 - Girls
 - 03:39 PM - New run

<< Back Next >> Cancel

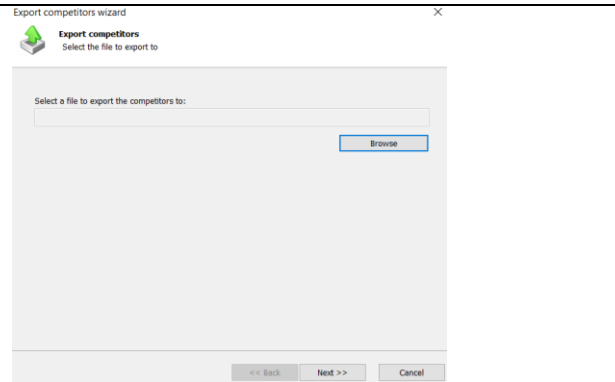
See appendix B for using files.



3.10. Export competitors

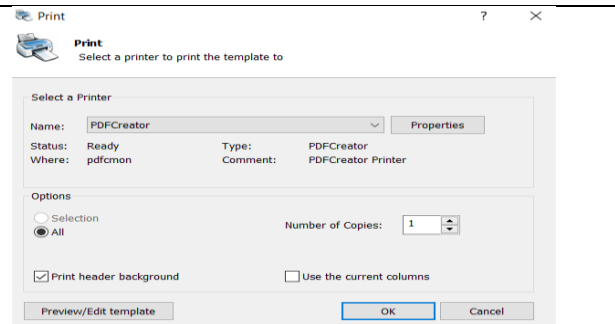
Click on export competitors and browse to a file you want to export the competitors to.

You can choose between a text or csv file.



3.11. Print

Select your printer to print your file.



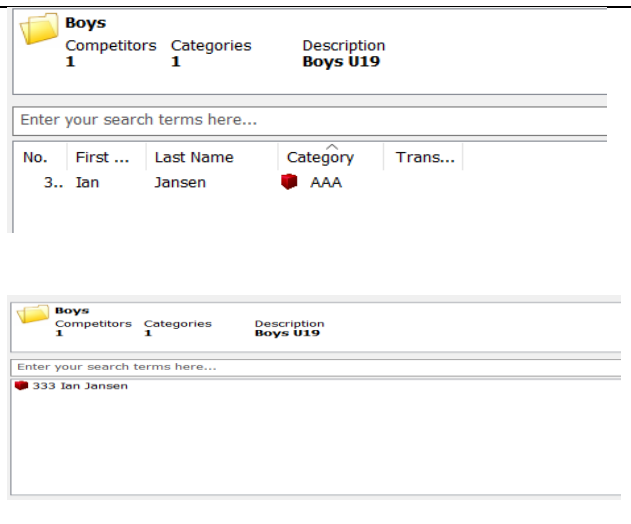
Other tasks

3.12. Switch view

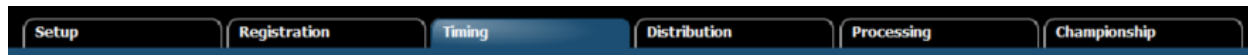
Switch view

For your view, you can select "details"

Or you can choose for "icons"



4. Timing



Click on the Timing tab



In this section you find:

Timing tasks
 Create a new run
 Edit run details
 Clear results
 Import passings
 Insert manual passings (F10)

View tasks
 Show passing monitor
 Show course chart
 Show announcements
 Print scheduler
 Passing photos
 Finish photos
 Show time trial order
 Show handicap order
 Switch view

Publish tasks
 Export passings
 Print passings
 Print results

Timing Tasks

4.1. Create a new run

If you want to create a new run in a group, select the group you want to create a new run in and fill in all details.

Sometimes you need to improvise and schedule a new run during the day. You can use this menu item.

4.2. Edit run details.

Here you can change all details of the selected run.

4.3. Clear results

All results will be cleared. After you cleared the results, it is possible to import passings from a new file.

4.4. Import passings

Decoder passings can be exported to an USB memory stick.

Select your file which you want to import. The program will use the time of day clock of the decoder to display passings in time of day. It is recommended to clear the decoder memory before the events starts.



Make sure your USB memory stick is FAT 32 with a maximum of 2 GB.

4.5. How to start a run

After preparing the race event, you can start racing. This part of the manual describes the process of starting a race and the actual timekeeping activities. All of this takes place in the **Timing** tab of the program. When the **Timing** tab is selected, it will look like the figure below.

The screen is divided into three main sections:

- The Passings screen
- The Results Screen
- The Lap Chart

The screens can be adjusted by selecting the  tool and dragging it to the preferred position. You can hide and show the  tool by clicking it with the left mouse button.

To start a practice or race session, check if the right track and event are selected in the title bar. To change the selected track and/or event go to the registration screen and select an event from the choice box on the top screen. Before you can start a session you first must open the session. This can be done from the selection box on the top of the timing screen. Select the run from the selection list.

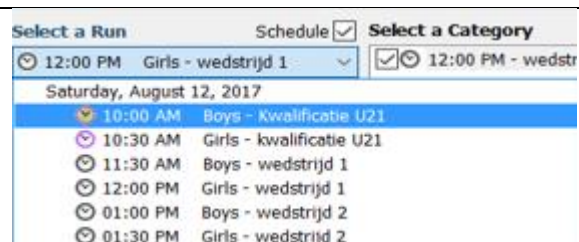
A run can be started and stopped in the Timing tab; passings will be collected and displayed. By pressing the start pistol (or F5 on the keyboard) the timing can be started. By pressing the checkered flag (or F8 on the keyboard) the timing can be stopped. There are two ways to start and stop timing:
Each category can be individually started and finished by selecting one category.
All categories together can be started and finished by selecting the run.







A single run can have multiple athletes in different categories. In some situations, a category must complete a different number of laps or ride a longer or shorter period than another category. Each category can now have a different start or finish time.

External start

After starting a session with the Play icon, the Start gun flag will be initialized automatically when the decoder receives a Photocell 2 input from the Auxiliary port. Please check your hardware manual for wiring details.

The start gun, red and finish flag are applicable to all categories in a run when you have selected the run itself. If you have selected just one category out of the ones you have in that specific run, then the start gun, red and finish flag will apply to that specific selected category.




<p>Start Timing of selected run Select the play icon to start the timing of the run in warming up mode. When this is active the laps will appear in the Passings Screen, but will not count for the results.</p>	
<p>Start Gun (F5) Select the Start Gun to start the race or to change from a red flag situation back to a normal race mode. A stopped race can also be restarted by selecting the Start Gun.</p>	
<p>Red flag (F7) Select the red flag when a red flag situation occurs. During a red flag situation, the lap count is never increased but the passings will still be registered.</p>	
<p>Prime Select the prime button to start a prime</p>	
<p>Finish flag (F8) After the finish flag is dropped, the next passing by each competitor will be marked as finished and all subsequent passings will be marked as extra and will not affect the race/qualifying result.</p>	
<p>Stop Select the Stop button to stop the timing and scoring for this run. Once a run is stopped, successive transponder passings will not be registered. The run can be restarted by selecting the green flag (or pressing the F5 hotkey).</p>	


View Tasks

4.6. Show passing monitor

<p><input checked="" type="checkbox"/> Show passing monitor</p> <p><input type="checkbox"/> Hide passing monitor</p> <p>This monitor shows the registered amount of passings</p>	<div style="display: flex; justify-content: space-around;"> <div data-bbox="734 1433 1005 1624"> <p>Passings Monitor</p> <p>0</p> <p><input type="checkbox"/> Beep</p> <p>Reset (F12)</p> </div> <div data-bbox="1021 1433 1324 1624"> <p>Passings Monitor</p> <p>7</p> <p><input checked="" type="checkbox"/> Beep</p> <p>Reset (F12)</p> </div> </div>
--	--


4.7. Show course chart

 **Show course chart**

 **Hide course chart**

The Course Chart is a graphical presentation of competitors that are on the course. Each box represents a competitor and displays the following information:

The bike number or initials

The expected time. This bar will update during the lap. If a competitor is expected to pass start finish the bar will be 100 % green. When a competitor is running late, the green bar will become  red. This is an indication that the competitor is in a slow lap, or that he is out of the race.


Result marker, this can be red or green. If it is grey, the competitor is not active anymore.

The Course Chart can be sorted in 4 ways.

On course position: This shows the order in which the competitors have passed the detection loop in the last completed lap. The leader is the first competitor.

- **On result:** This shows the order based on the current run results.
- **On car number:** Competitors are sorted on starting number.
- **On expected time:** This shows the order in which competitors are expected to pass start finish. The competitor at the top is expected first.

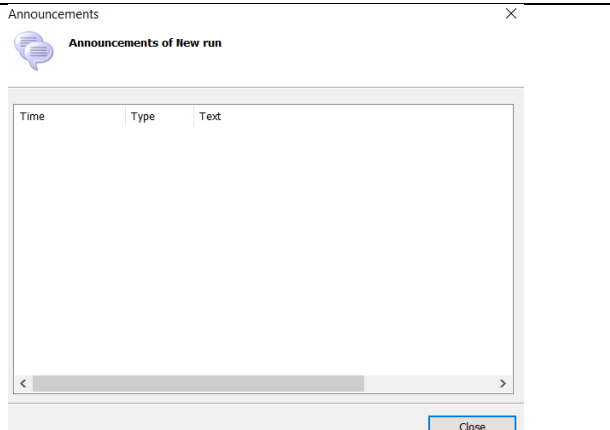
To select the sorting option, right click in the Course Chart screen and choose the desired option.



4.8. Show announcements

You can create announcements and select them per run.


If you click on right in the white field you can add a new announcement



4.9. Printer scheduler

The printer scheduler can be used to automatically generated print outs based on the number of laps or minute passed.

Print Scheduler

 **Print scheduler settings**
Settings for automatically generated print outs

Select a Printer
PDFCreator Change

Print every

Do not use automatically generated printouts

10 Laps

30 Minutes Last Completed

Preview/Edit template Close

4.10. Show time trial order

This shows the of competitors of time trial run.

Time trial start order

Next competitor:
(Z11) Joram Grootveld

Time to start:
1:01

Followed by:
Lucas Kers : 1:01

4.1.1. Show handicap order

This shows the order of the categories of the handicap run.

Handicap start order

Next category:
supporters

Time to start:
0:00:22

Followed by:
catergorie 1 : 0:00:52

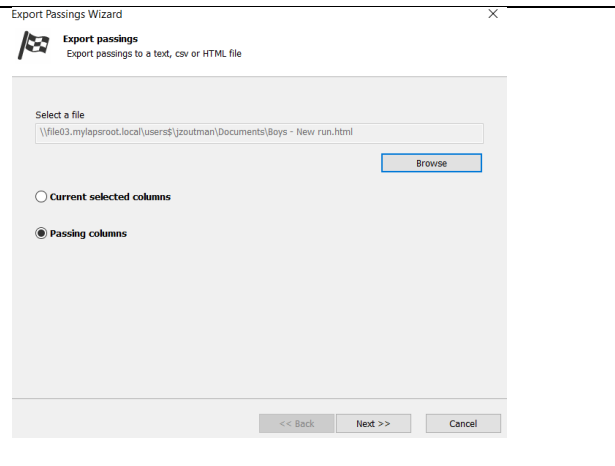
4.12. Swich view

The view will change. The results and lapchart screen will switch places.

Publish tasks

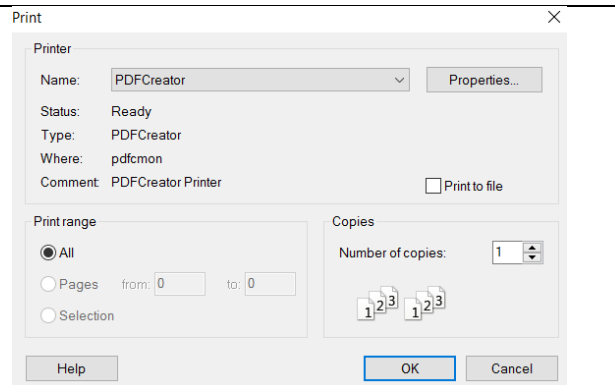
4.15. Export passings

Click on “export passings” and browse to a file you want to export the passings to.



4.16. Print passings

All passings will be printed. You can print directly or export the file first.



4.17. Print results

You can select how you want your results printed.

Print
Select a printer to print the template to

Select a Printer

Name: PDFCreator Properties

Status: Ready Type: PDFCreator
Where: pdfcmn Comment: PDFCreator Printer

Select a Template

Race Results

- Sorted on Laps
- Sorted on Laps (Reduced)
- Official Race Report
- Sorted on Laps (Landscape)

Qualifying Results

- Sorted on best lap time
- Sorted on best lap time (Reduced)
- Sorted on best lap time (Landscape)

Sort Results by Category

Selection Number of Copies: 1

All

Use customized column names

Print header background

Preview/Edit template Save as PDF OK Cancel

5. Distribution

In this section, you find

MYLAPS.com tasks

Homepage
Upload
Account settings

MYLAPS.com tasks

5.1. Homepage

If you select this, you go to the MYLAPS homepage.

5.2. Upload

To upload your results to the MYLAPS SportHive platform, login with username and password of your organization account.

Select the runs you want to upload.
Click on next and your results will be uploaded to the site.

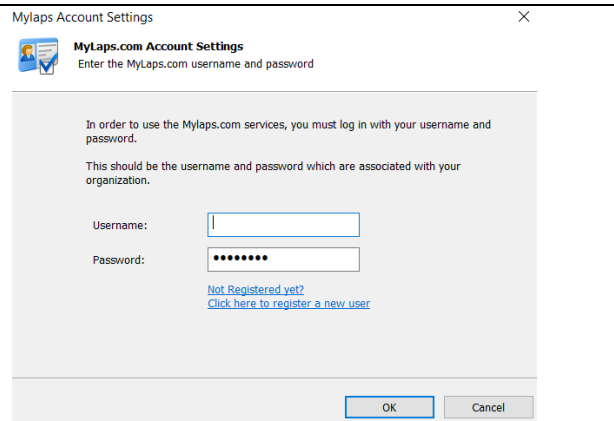
Your results will be shown on the Sporthive website.

The screenshot displays two windows from the MYLAPS Upload Wizard. The top window is titled "Login" and contains the following text: "Enter the username and password", "In order to use the Mylaps.com services, you must log in with your username and password.", and "This should be the username and password which are associated with your organization." Below this text are input fields for "Username:" and "Password:". A link below the password field reads "Not Registered yet? Click here to register a new user". At the bottom of the window are buttons for "<< Back", "Next >>", and "Cancel".

The bottom window is titled "Specify runs/merges" and contains the following text: "Select the runs and merges to upload to Mylaps.com", "The upload wizard determines which runs and merges should be uploaded to Mylaps.com. If you want to change this check or uncheck the runs or merges displayed below." Below this text is a list of runs and merges with checkboxes. The list is organized into two main categories: "Boys" and "Girls". Under "Boys", there are four items: "11:59 AM - New run" (unchecked), "10:00 AM - Kwalificatie U21" (checked), "11:30 AM - wedstrijd 1" (checked), and "01:00 PM - wedstrijd 2" (checked). There is also a folder icon for "Boys wedstrijd 1 en 2" (unchecked). Under "Girls", there are three items: "10:30 AM - kwalificatie U21" (unchecked), "12:00 PM - wedstrijd 1" (unchecked), and "01:30 PM - wedstrijd 2" (unchecked). At the bottom of the list are buttons for "Select all" and "Deselect all". At the bottom of the window are buttons for "<< Back", "Next >>", and "Cancel".

5.3. Account settings

If you want to change your account settings, login with your username and password of your organization account.



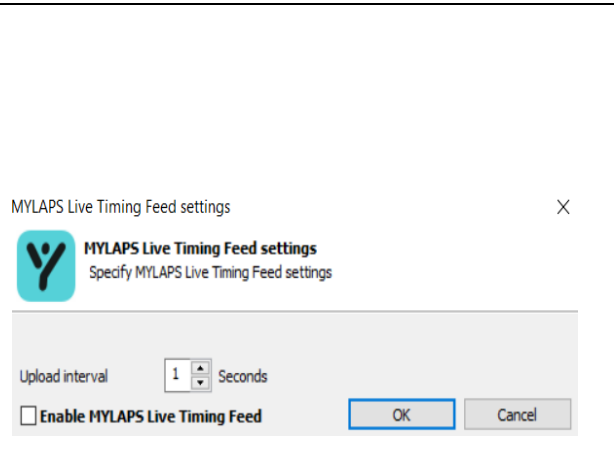
The screenshot shows a dialog box titled "Mylaps Account Settings" with a close button (X) in the top right corner. Below the title is the MyLaps logo and the text "Mylaps.com Account Settings" and "Enter the MyLaps.com username and password". The main content area contains the following text: "In order to use the Mylaps.com services, you must log in with your username and password." followed by "This should be the username and password which are associated with your organization." Below this text are two input fields: "Username:" with a text box containing a vertical cursor, and "Password:" with a masked password field (dots). A blue link "Not Registered yet? Click here to register a new user" is positioned below the password field. At the bottom of the dialog are "OK" and "Cancel" buttons.

5.4. MYLAPS Live Timing Feed

The MYLAPS Live Timing Feed offers a live timing solution in both Speedhive app and website, which is a provisional free service. By enabling the feed, the event will automatically show up in the Speedhive Android or iPhone app.

Enable the feed

The feed is by default disabled. Click on the link to enable the feed. Check the 'enable MYLAPS Live Timing Feed' box and select the upload interval.



The screenshot shows a dialog box titled "MYLAPS Live Timing Feed settings" with a close button (X) in the top right corner. Below the title is the MyLaps logo and the text "MYLAPS Live Timing Feed settings" and "Specify MYLAPS Live Timing Feed settings". The main content area contains the following text: "Upload interval" followed by a spinner box containing the number "1" and the word "Seconds". Below this is a checkbox labeled "Enable MYLAPS Live Timing Feed" which is currently unchecked. At the bottom of the dialog are "OK" and "Cancel" buttons.

6.Processing



Select Current Event
Cycling 2017 [20-May-17]

Result tasks

- Assign points
- Starting sequence
- Announcements
- Penalties/Corrections
- Copy the competitors

Prime tasks

- Assign bonus seconds
- Assign bonus points

Merged result tasks

- Create a new merge (quick)
- Create a new merge
- Modify the merged result
- Calculate the merged result
- Clear merged result

Publish tasks

- Export results to file
- Export lap times to file
- Export points for championship
- Print

View tasks

- Hide course chart

In this section, you find.

Result tasks

- Assign points
- Starting sequence
- Announcements
- Penalties/Corrections
- Copy the competitors

Prime tasks

- Assign bonus seconds
- Assign bonus points

Merged results tasks

- Create a new merge (quick)
- Create a new merge
- Modify the merged result
- Calculate the merged result
- Clear merged result

Publish tasks

- Export results to file
- Export lap times to file
- Export points for championship
- Print

View tasks

- Hide course chart

Result tasks

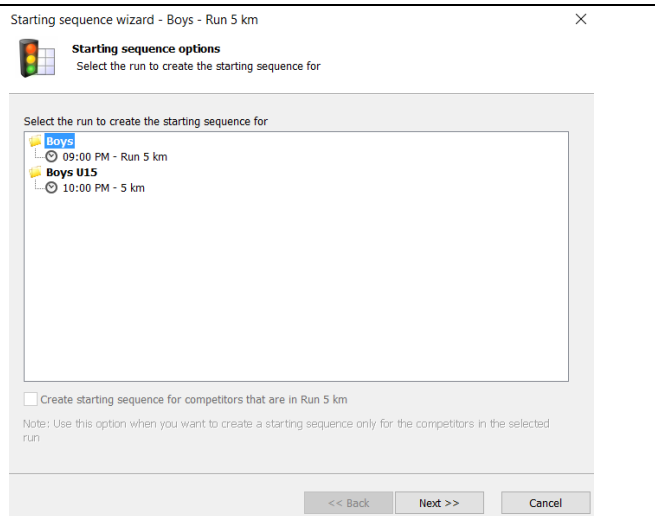
6.1. Assign points

Points or bonus seconds can be assigned to competitors of a run. Select the prime at one of the categories, at the taskbar there are two new buttons, assign bonus seconds and assign bonus points. A dialog will appear and you can assign bonus points or seconds according to a scheme, this scheme can be used to assign values to a specific position.

Pos	No.	Name	Category	Laps	Total Tm	Intermediate Tm	Bonus time
1	1	Aaron Allen	A-Grade men	8	6:14.230	12:33:30.573	0.000
2	3	Chris Cole	A-Grade men	8	6:16.102	12:33:32.445	0.000
3	5	Ethan Ellis	A-Grade men	8	6:18.193	12:33:34.536	0.000
4	2	Barney Bailey	A-Grade men	8	6:24.698	12:33:41.041	0.000
5	4	Dimtri Davis	A-Grade men	8	6:35.462	12:33:51.805	0.000

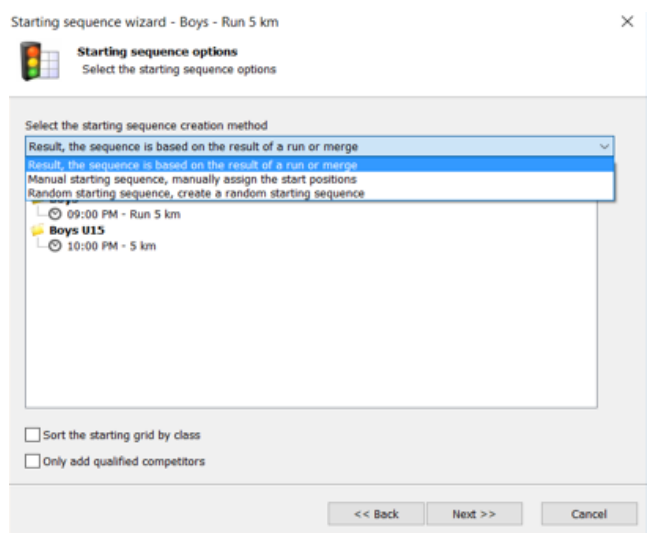
6.2. starting sequence

Select the run to create the starting sequence for.



You can select the starting sequence creation method.

- Result, the sequence is based on the result of a run or merge.
- Manual starting sequence, manually assign the start positions.
- Random starting sequence, create a random starting sequence



- Sort the starting grid by class
- Only add qualified competitors

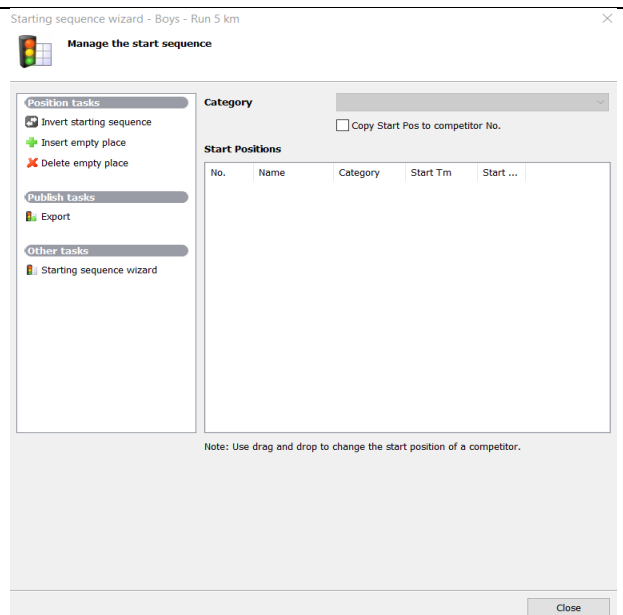
Manage the start sequence

Position tasks

Invert starting sequence
 Insert empty place
 Delete empty place

Publish tasks
 Export

Other tasks
 Starting sequence wizard

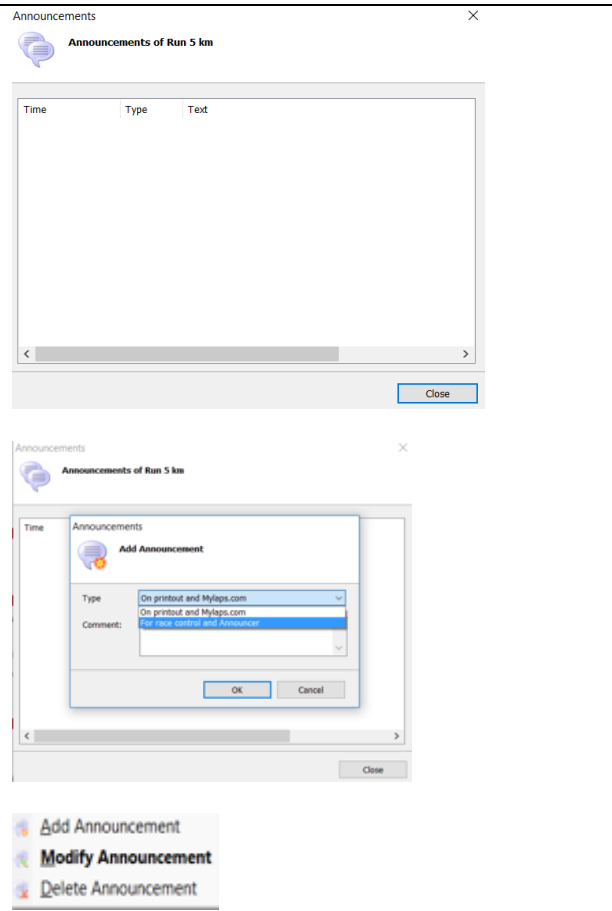


6.3. Announcements

Announcements can be used to make notes of official decisions made during a run. E/g. reason for red flag etc. The announcements are printed in the official race result printout.

To add, modify or delete announcements by selecting Announcements from the Results tasks and right click on the Announcement Screen to select your task from the menu.

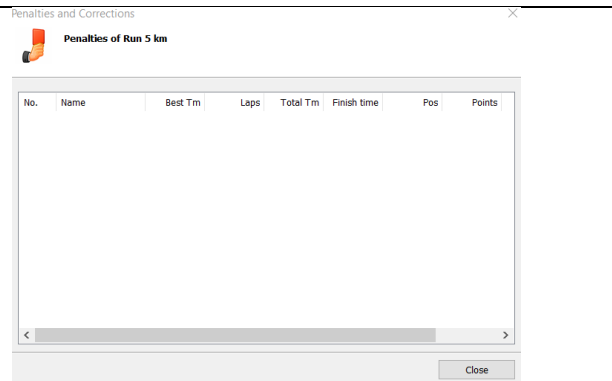
 Announcements will appear on Official Race Reports and on MYLAPS.com.



The screenshot displays two windows from the MYLAPS software. The top window, titled 'Announcements of Run 5 km', contains a table with three columns: 'Time', 'Type', and 'Text'. The table is currently empty. Below the table is a 'Close' button. The bottom window, also titled 'Announcements of Run 5 km', shows a dialog box for adding a new announcement. The dialog has a title bar 'Announcements' and a sub-title 'Add Announcement'. It includes a 'Type' dropdown menu with the selected option 'On printout and Mylaps.com', and a 'Comment' text field containing 'Red flag control and Announce'. There are 'OK' and 'Cancel' buttons at the bottom of the dialog. Below the dialog, there are three buttons: 'Add Announcement', 'Modify Announcement', and 'Delete Announcement'.

6.4. Penalties/Corrections

You can add a penalty or correction to a competitor. Click on right to add, modify or delete a penalty/correction.



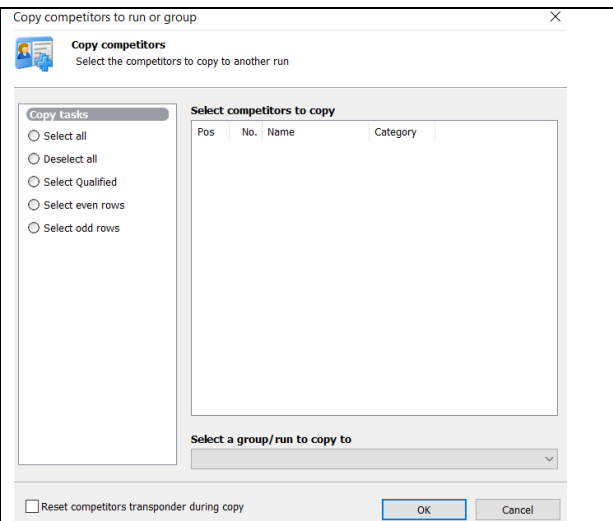
The screenshot shows a window titled 'Penalties and Corrections of Run 5 km'. It features a table with the following columns: 'No.', 'Name', 'Best Tm', 'Laps', 'Total Tm', 'Finish time', 'Pos', and 'Points'. The table is currently empty. A 'Close' button is located at the bottom right of the window.

6.5. Copy the competitors

Select the competitors to copy to another run.

From a run or merged result, qualified competitors can be selected and copied to another group or run. Select the competitors you want to copy to another run, in the results screen.

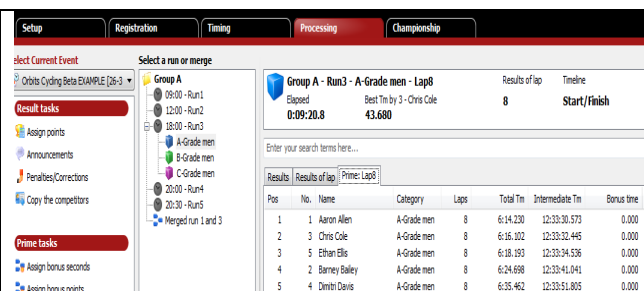
Open the dialog by clicking on Copy the competitors' button, which can be found under results task. In this dialog you can specify which competitors should be copied to another group or run.



Prime tasks

6.6. Assign bonus seconds/points

Points or bonus seconds can be assigned to competitors of a run. Select the prime at one of the categories, at the taskbar there are two new buttons, assign bonus seconds and assign bonus points. A dialog will appear and you can assign bonus points or seconds according to a scheme, this scheme can be used to assign values to a specific position.



Merged result tasks

6.7. Create a new merge (quick)

Create a group to add the merge to

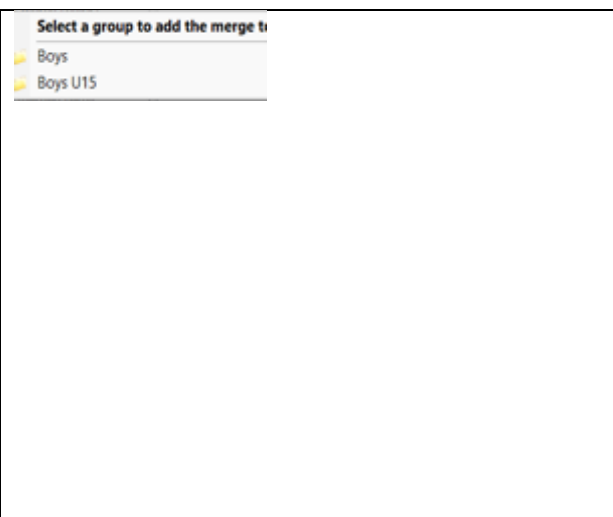
You merge groups, to have an overview of all competitors in a same category. e/g you want an overview of all runs in the category U15.

Select the name and merge method.

Choose a name for the new merge.

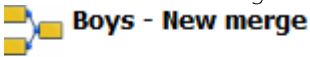
Select how this merge should be sorted:

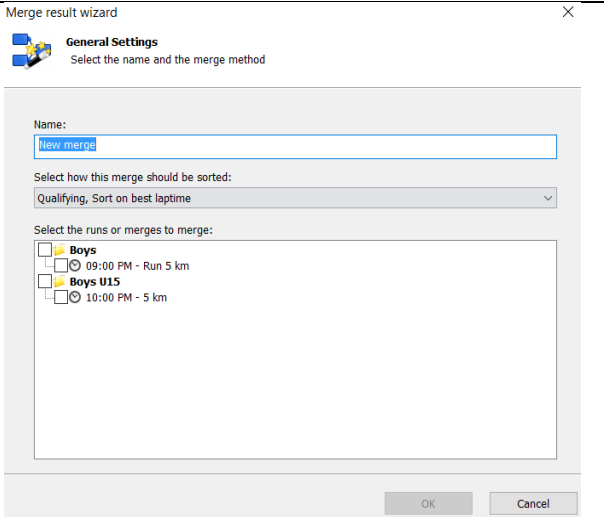
- Qualifying, sort on best lap time
- Race, sort on laps and total time
- Most points sort



- Least points sort

Select the runs or merges to merge and click on ok.





6.8. Create a new merge

General settings

Choose a name for the new merge.

Specify how the merged result should be sorted.

- Qualify sort: The merged result is sorted on best lap-time.
- Race sort: Results are sorted by highest number of laps and then lowest total time.
- Most points sort: Result is sorted on most total points. The competitor with the most points wins.
- Less points sort: Result is sorted on less total points.

When you use **merge on points**, you can include a **specific tie solver**:

None: no specific tie solver included

Qualifying: in case of a tie it will look at the best lap time

Race: in case of a tie it will look at the number of laps and total time

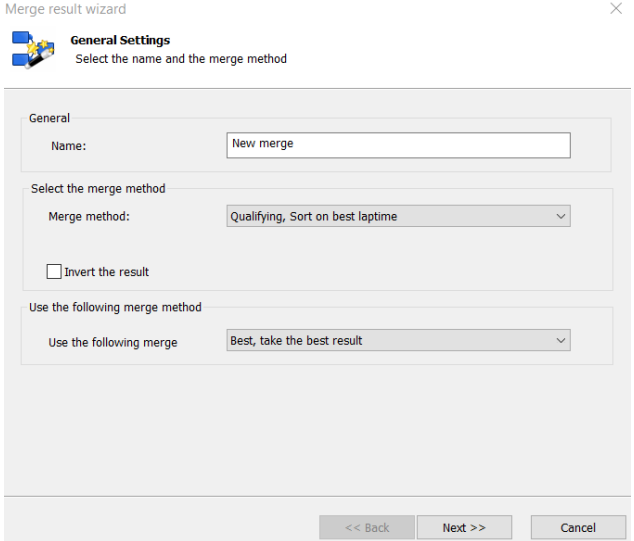
Invert the result
Check this button when you want to invert the result.

Merge method

- Best, take the best result. (This is default setting for a merge sorted on best lap time)
- Average, calculates the average result.
- Sum, calculates the sum of the results. (This is default setting for a merge sorted on points or sorted laps)

Select all and click on next.

Select the runs to merge



Select the runs that are going to be merged. By using the arrow buttons, runs can be added to the merge. To delete a run from this merge, use the corresponding buttons.

Results filter

The result filter allows you to exclude competitors from the merge. The following filters are available:

- On Position: Only include competitors in the merge that are in the specified range. (Minimum position, Maximum position)
- On Category: Only include competitors in the merge that are in the selected category.
- On Points: Only include competitors in the merge that are in the specified range. (Minimum position, Maximum position)
- Qualified: Only include qualified competitors in the merge.

To specify a filter on a result, select a run or merge from the list and choose the filter from the choice list. Check 'Use same filter for all' if you want to apply the filter for all runs in the merge.

Qualification requirements

This property indicates how competitors can qualify for the merged result.

The possibilities are:

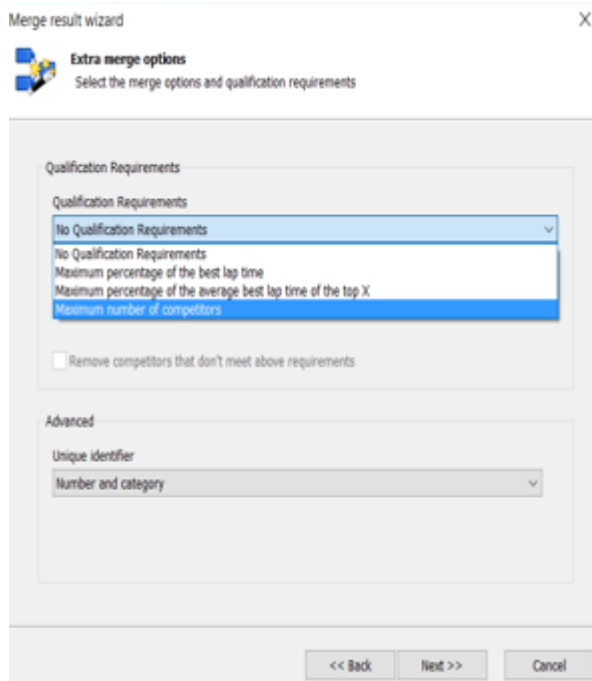
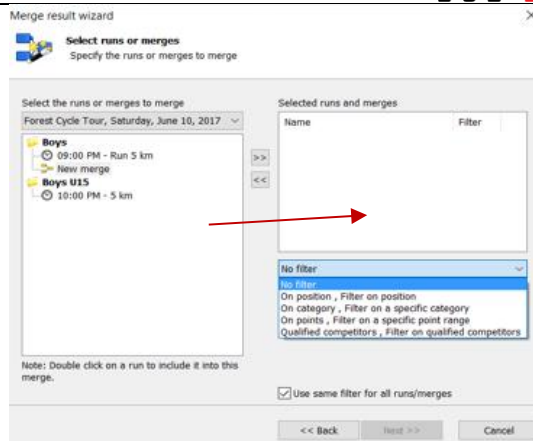
- None: All competitors appear on the result.
- On best lap time: When selected, you can specify a percentage. To appear on the results, a competitor must achieve a lap time of no more than the specified percentage of the best lap time. This only applies to merges sorted on best lap time.
- On average best lap time of top x: When selected, you can specify a percentage. To appear on the results, a competitor must achieve a lap time of no more than the specified percentage of the best lap time. This only applies to merges sorted on best lap-time.
- Maximum number of competitors: When selected, you can specify a position. All competitors from the specified position down do not qualify. This applies to race as well as practice results.

Keep not qualified competitors in the merge

If you apply a Qualification Requirement on this merge, not qualified competitors will appear on the merged result. If this option is off, a not qualified competitor will not appear on the result.

Unique Identifier

This is used to identify competitors with the same information in the selected field.



Select all details and click on finish.

6.9. Modify the merged result

If you want to modify the merged result, you will go back to the general settings (6.8)

6.10. Calculate the merged result

A merged result can be calculated after all runs are finished (and points are assigned).

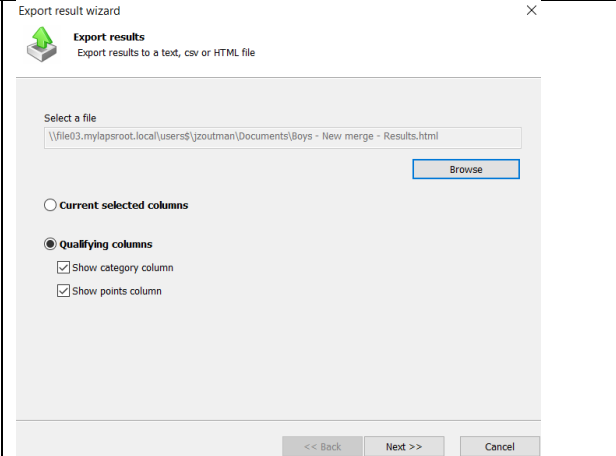
 The merged result is not automatically updated when the result of one of the run changes. Click on 'Calculate merged result' to apply the changes.

6.11. Clear merged results

If you want to clear the merged result, click on yes.

Publish tasks

6.12. Export results to file

<p>Export results to a text, csv or HTML file</p> <p>The results can be exported in three different formats:</p> <ul style="list-style-type: none"> • txt file; The results are exported to a tab delimited text file. • csv file: The results are exported to a comma delimited text file. • html file: The results are exported to a html file. 	
---	--

6.13. Export lap times to file

Exporting lap times to TXT, CSV or HTML. To export the lap times of a run, click on Export lap times to file, which can be found under Publish tasks. Now the wizard will guide you through this process.

The lap times file can be exported in three different formats:

- txt file; The lap times are exported to a tab delimited text file.
- csv file: The lap times are exported to a comma delimited text file.
- html file: The lap times are exported to a html file.

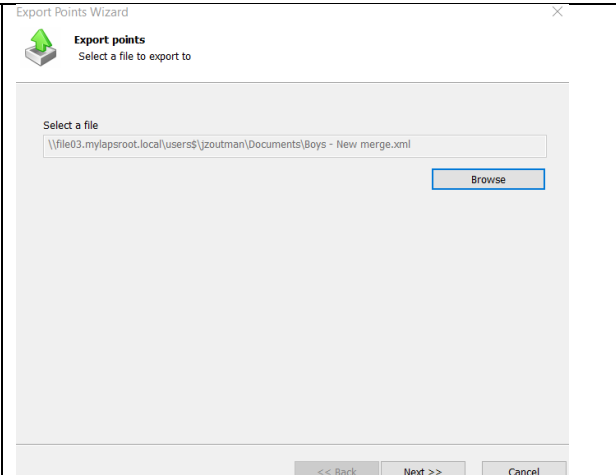
Section Info

This will export the section times per lap.

Passing Info

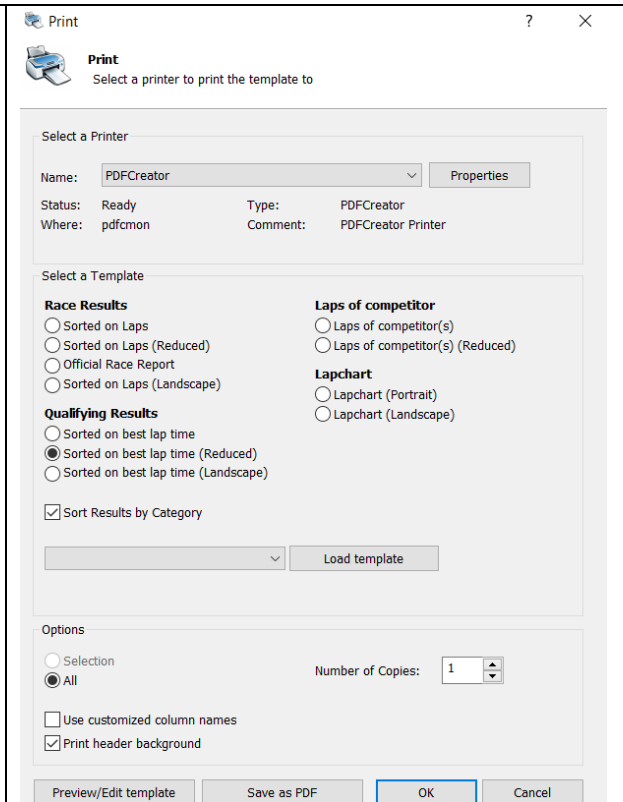
This will export the passing info

6.14. Export points for championship

<p>Export points for championship.</p> <p>Select a file and click on next.</p> <p>The exported file can be used to import points on another computer for championship purposes.</p> <p>Exporting points in a xml format. The xml file can be imported in another application</p>	
---	--

6.15. Print

You can select how you want your results printed.



View tasks

6.16. Hide Course chart

Show course chart

Hide course chart

The Course Chart is a graphical presentation of competitors that are on the course. Each box represents a competitor and displays the following information:

The bike number or initials

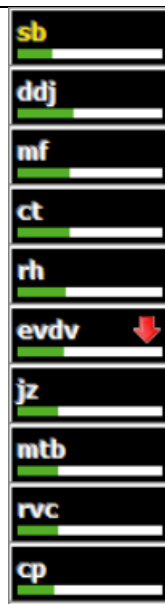
The expected time. This bar will update during the lap. If a competitor is expected to pass start finish the bar will be 100 % green. When a competitor is running late, the green bar will become red. This is an indication that the competitor is in a slow lap, or that he is out of the race.

Result marker, this can be red or green.

If it is grey, the competitor is not active anymore.

The Course Chart can be sorted in 4 ways.

On course position: This shows the order in which the competitors have passed the detection loop in



the last completed lap. The leader is the first competitor.

- **On result:** This shows the order based on the current run results.
- **On car number:** Competitors are sorted on starting number.
- **On expected time:** This shows the order in which competitors are expected to pass start finish. The competitor at the top is expected first.

To select the sorting option, right click in the Course Chart screen and choose the desired option.

7. Championship



Setup Registration Timing

Select a Championship

Championship Tasks

- Create a new championship
- Edit championship
- Delete championship

Event Result Tasks

- Add event result
- Edit event result
- Delete event result

Publish tasks

- Display options
- Publish on Mylaps.com
- Export to file
- Print

Event Results

#	Event	Date
---	-------	------

In this section, you find.

Championship Tasks:

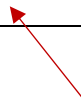
- Create a new championship
- Edit championship
- Delete championship

Event Result Tasks:

- Add event result
- Edit event result
- Delete event result

Publish tasks:

- Display options
- Publish on MYLAPS.com
- Export to file
- Print



Championship tasks

7.1. Create a new championship

Orbits Cycling organizes the championship per season. The selected championship is displayed on the top of the screen.

A championship consists of many events. Combined these events will form a championship. There is no limit on the number of events per championship

Click on create a new championship
Fill in all details.

General

Name

Season

How should the championship be sorted?

Here you can choose how the championship should be sorted. There are two options:

Most points: The championship will be sorted on most points.

Least points: The championship will be sorted on least points.

In case of a tie - Tie solver

In case of a tie-on points Orbits offers the following Tie solvers:

Most 1, 2, 3 places per run: The competitor with the most 1st places will win. In case this is the same, it will look to the most 2nd places. Etc. It will look at the run results.

Most 1, 2, 3 places per event: The competitor with the most 1st places will win. In case this is the same, it will look to the most 2nd places. Etc. It will look at the event results.

Result of last run: The competitor with the best result in the last run will win.

Result of last event: The competitor with the best result in the last event will win.

Points of all events: The competitor with the best points for an event will win

Points of last event: The competitor with the best amount of points in the last event will win

Points of last run: The competitor with the best amount of points in the last run will win

Valid results

In case of a tie-on points Orbits offers the following Tie solvers:

All points are counting: The competitor with the most 1st places will win. In case this is the same, it will look to the most 2nd places. Etc. It will look at the run results.

Championship Details

Setup the Championship
Specify the name, sort method and drop method

General

Name:

Season:

How should the championship be sorted

Sort Method:

In case of a tie, look at:

Valid results

Valid results:

Advanced

Unique identifier:

Include additional fields:

- License Cat.
- Hometown
- Sex
- License No.
- Club

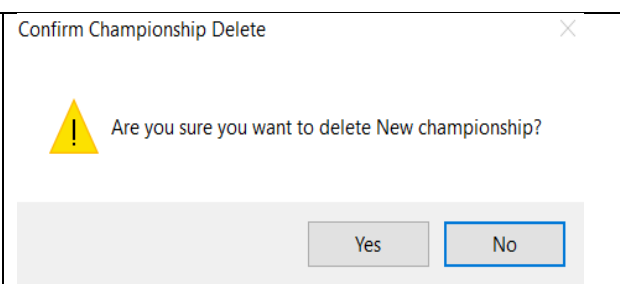
OK Cancel

<p>Maximum number of valid runs: Specify how many runs are counting for the championship. The program will drop the worst result if a competitor appeared in more runs than specified.</p> <p>Maximum number of valid events: Specify how many runs are counting for the championship. The program will drop the worst result if a competitor appeared in more events than specified.</p> <p>Advanced</p> <p>Unique identifier</p> <p>You can select on:</p> <ul style="list-style-type: none"> Number and category Competitor registration code Name <p>Include additional fields</p> <p>Select the fields you want to sort on.</p>	
---	--

7.2. Edit championship

You can edit your championship in the same screen.

7.3. Delete championship

<p>If you want to delete the championship, click on yes.</p>	 <p>The dialog box is titled "Confirm Championship Delete" and has a close button (X) in the top right corner. It features a yellow warning triangle icon with an exclamation mark. The text inside the dialog asks, "Are you sure you want to delete New championship?". At the bottom of the dialog, there are two buttons: "Yes" and "No". The "No" button is highlighted with a blue border.</p>
--	--

Event result Task

7.4. Add Event results

You can add event results

- Use points from a result
- Load the points from file
- Manually enter the points.

Use points from a result

When this option is selected you need to specify which run or result is counting for the championship. Select the run or merge and click next. The points will now be added to the championship

Load the points from file.

When this option is selected you need to select the file that contains the points for the championship. Click on next to import the file and add the points to the championship.

Manually enter the points.

When this option is selected you need to specify the name of the event. Click on next to manually enter the results of the event.

The image displays three sequential screenshots of the 'Add a new Event Result' dialog box in the MYLAPS software interface. Each screenshot shows a different step in the process of adding event results.

Top Screenshot: The dialog box is titled 'Add a new Event Result' and 'Add result'. It offers three options:

- Use points from a result:** Selected with a radio button. Description: 'Use the points from a run or merge that counts for the championship'.
- Load the points from file:** Unselected. Description: 'Load the points from a results file that is exported from another computer.'
- Manually enter the points:** Unselected.

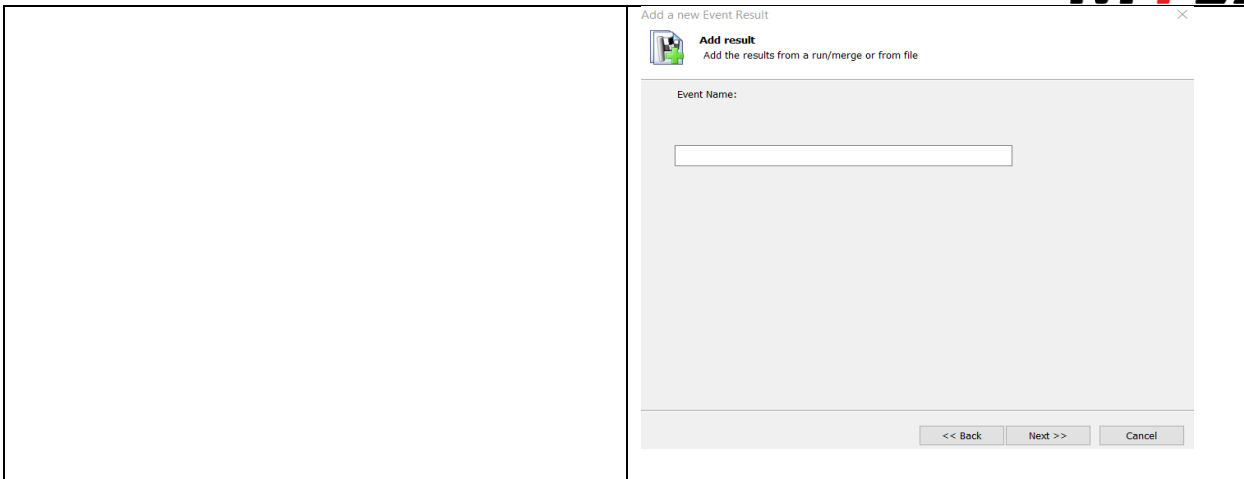
 Navigation buttons at the bottom include '<< Back', 'Next >>', and 'Cancel'.

Middle Screenshot: The dialog box is titled 'Add a new Event Result' and 'Add result'. It is in the 'Select a run or merge:' step. A dropdown menu shows 'Ronde van Zandvoort, Saturday, August 12, 2017'. Below it, a list of events is shown:

- Boys:**
 - 10:00 AM - Kwalificatie U21
 - 11:30 AM - wedstrijd 1
 - 01:00 PM - wedstrijd 2
 - Boys wedstrijd 1 en 2
- Girls:**
 - 10:30 AM - Kwalificatie U21
 - 12:00 PM - wedstrijd 1
 - 01:30 PM - wedstrijd 2

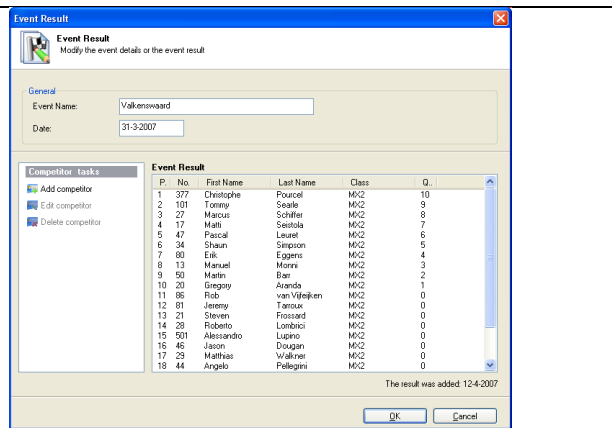
 Navigation buttons at the bottom include '<< Back', 'Next >>', and 'Cancel'.

Bottom Screenshot: The dialog box is titled 'Add a new Event Result' and 'Add result'. It is in the 'Points File:' step. It features a text input field for the file name and a 'Browse' button. Navigation buttons at the bottom include '<< Back', 'Next >>', and 'Cancel'.



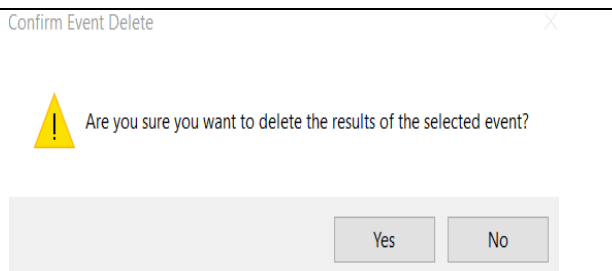
7.5. Edit event result

After a result is added to the championship, select the event from the Event List and click on 'Edit event result' which can be found under Event Result Tasks.



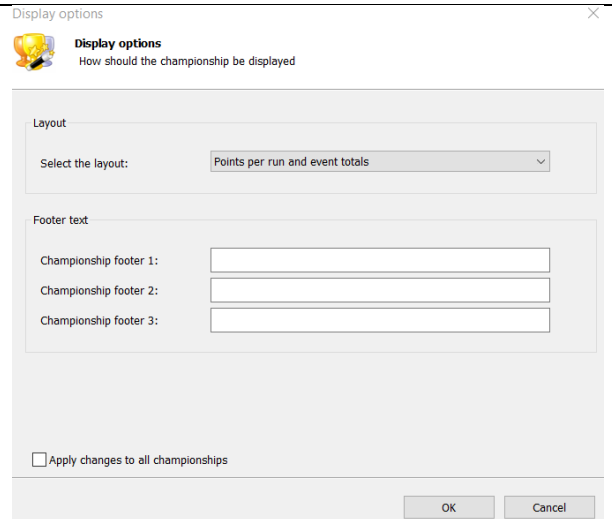
7.6. Delete event result

If you want to delete your event results, click on yes.

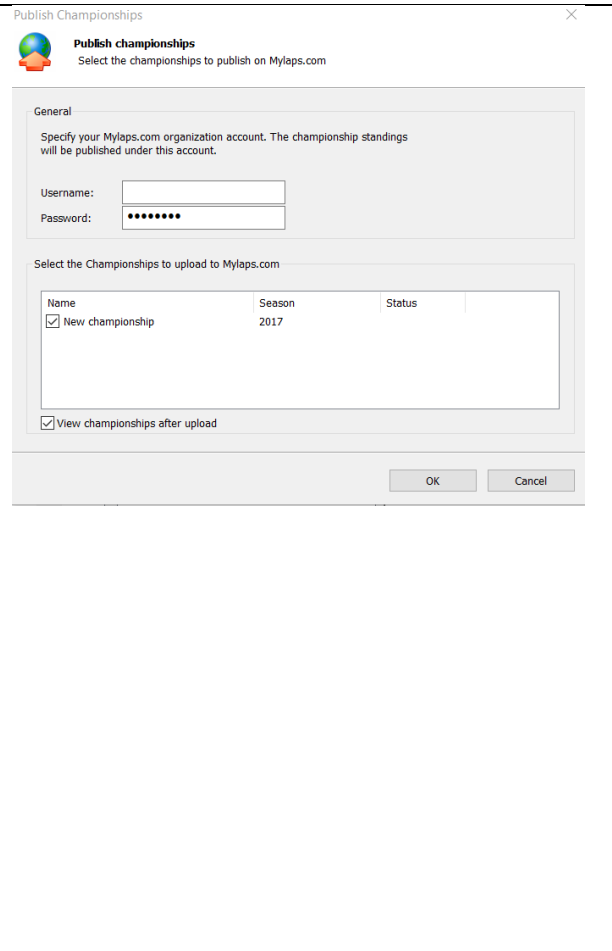


Publish tasks

7.7. Display Options

<p>Display options How should the championship be displayed?</p> <p>Select the layout: Points per event Points per run Points per run and events totals.</p> <p>Footer text The text that should be displayed on the footer of the printouts. In the event footer, you can add of the organizer, timer, date etc.</p>	
---	--

7.8. Publish on MYLAPS.com

<p>To upload your championship standings results to MYLAPS.com, click the Upload to MYLAPS.com button. Now the 'Upload Championship' screen will guide you through this process.</p> <p>An internet connection is required to publish the championships.</p> <p>Login on MYLAPS.com To use the MYLAPS.com service you must login with the username and password of your MYLAPS.com account. The championship standings will be displayed under this account.</p> <p>Username Enter the username which is associated with your organization account.</p> <p>Password Enter the password of your organization account.</p> <p>Select the championships to upload Select the championships you want to publish on MYLAPS.com.</p> <p>Finally click on Ok to upload the championships. The program makes a connection with the MYLAPS.com server. Once the connection is made the championships are automatically uploaded.</p>	
---	---

7.9. Export to file

The championship standings can be exported to a HTML file. To export the championship standings, click on 'Export to file'. Select the location where you want to save the championship.

7.10. Print

The Orbits Cycling program has three pre-defined templates for printing the championship standings. To print the championship, click on 'Print'

Available layouts

Points per event: The program will print a column for each event in the championship.

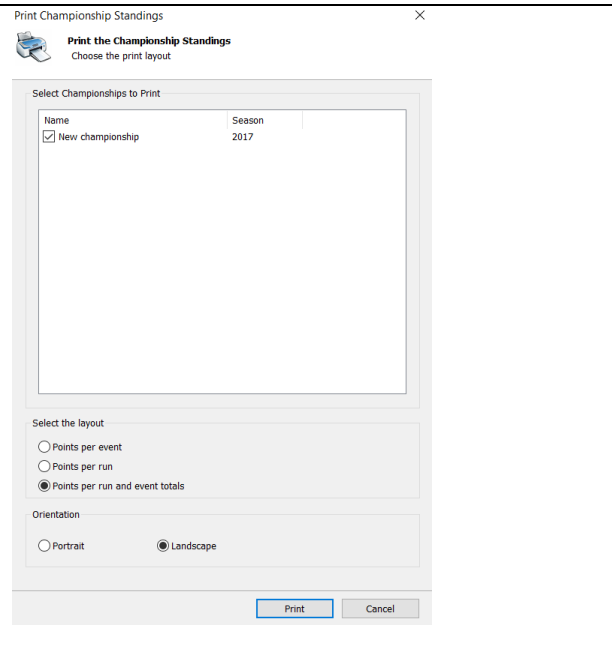
Points per run: The program will print a column for each run in the championship.

Points per run and event totals: The program will print a column for each run in the championship. It will also print the totals per event.

Orientation Portrait:

The championship standings will be printed portrait. Choose this option when you have more than 40 competitors in the championship.

Landscape: The championship standings will be printed landscape. Choose this option when there are many events in the championship



8.Taskbar

8.1. File

File Mylaps.com View Tools Help

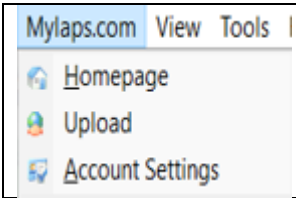
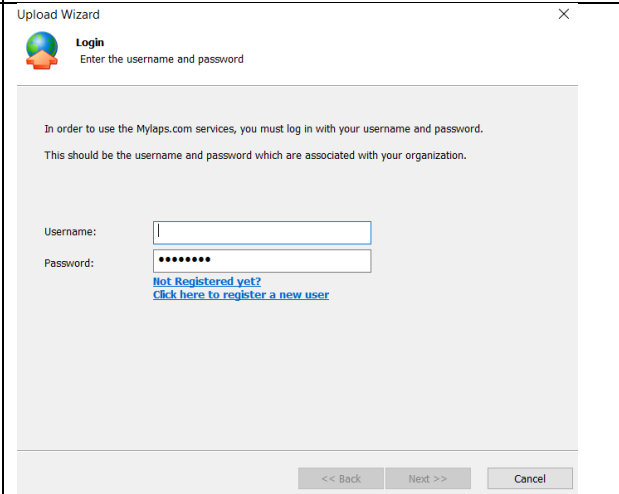
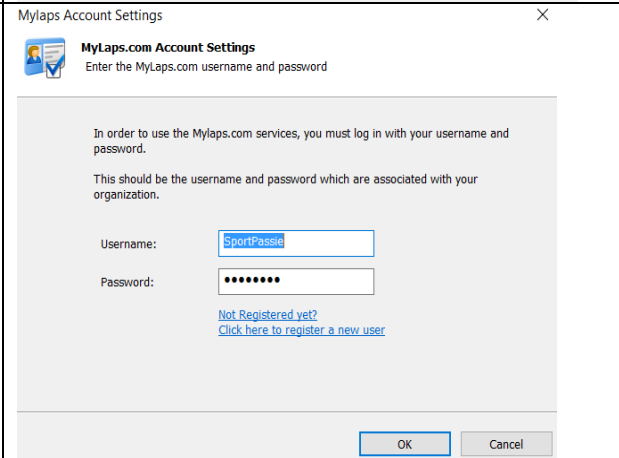


<p>File Mylaps.com View</p> <ul style="list-style-type: none"> Restore a backup Create a backup Exit 	<p>In this section, you find</p> <ul style="list-style-type: none"> Restore a backup Create a backup Exit
<p>Restore a backup</p> <p>You can restore:</p> <ul style="list-style-type: none"> Events, runs and competitors Printouts <p>Choose what you want to restore and click on "browse".</p> <p>Select or create a file to restore. Make sure this file contains a valid back up file</p>	<p>Confirm Restore Backup</p> <p>Restore a backup Restore backup data from a backup file</p> <p>Select a file to restore</p> <p><input type="text"/></p> <p><input type="button" value="Browse"/></p> <p><input checked="" type="checkbox"/> Restore events, runs and competitors</p> <p><input type="checkbox"/> Restore printouts</p> <p><input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Cancel"/></p>
<p>Create a backup</p> <p>File name: Backup Mon 29 May 2017</p> <p>Save as type: Orbits Cycling Backup (*.ocb)</p> <p>Hide Folders <input type="button" value="Save"/> <input type="button" value="Cancel"/></p> <p>Choose a file name and click on save and on next. If you have issues with Orbits Cycling, please send your backup files to our Support department.</p>	<p>Create Backup Wizard</p> <p>Create a backup Backup all the data</p> <p>Select a file to backup to</p> <p><input type="text"/></p> <p><input type="button" value="Browse"/></p> <p><input checked="" type="checkbox"/> Backup diagnostics (log files)</p> <p><input type="button" value="Back"/> <input type="button" value="Next"/> <input type="button" value="Cancel"/></p>
<p>Exit</p> <p>Click on Exit if you want to leave Orbits Cycling. You can choose if you want to create a backup of your data before you close this program. A backup is recommended.</p>	<p>Create Backup</p> <p>Do you want to create a backup of your data before closing the program?</p> <p><input type="button" value="Yes"/> <input type="button" value="No"/> <input type="button" value="Cancel"/></p>

8.2. Mylaps.com

File Mylaps.com View Tools Help



	<p>In this section, you find</p> <ul style="list-style-type: none"> Homepage Upload Account Settings
<p>Homepage</p> <p>You will be redirected to the homepage of MYLAPS www.mylaps.com</p>	
<p>Upload</p> <p>In order to use MYLAPS.com services, you must log in with your username of your organization account and password. Your results will be shown on the Sporthive website.</p>	
<p>Account Settings</p> <p>Here you can change your account settings.</p>	

8.3. View

File Mylaps.com View Tools Help

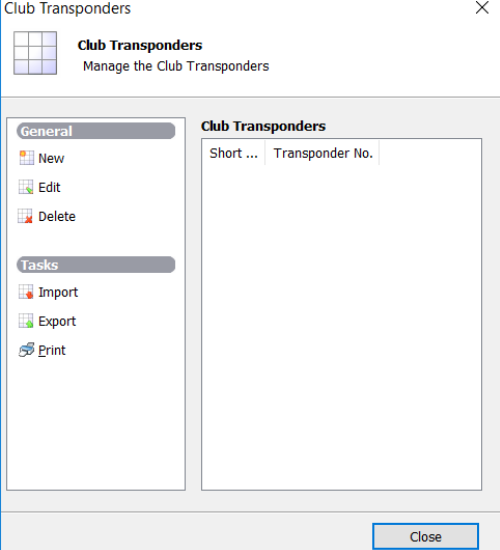
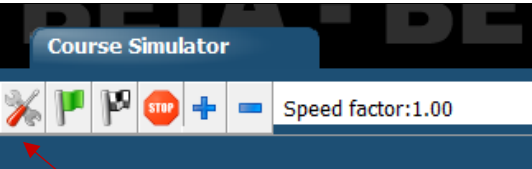
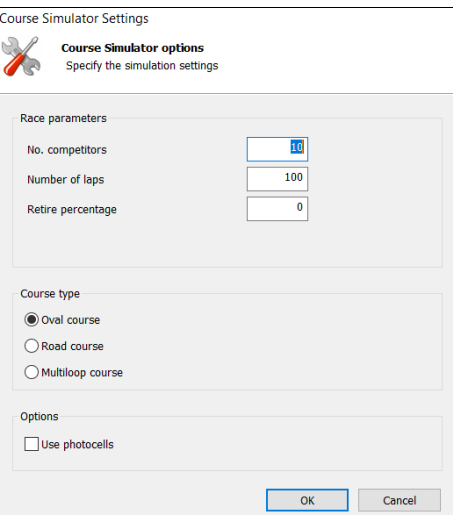


<p>View Tools Help</p> <ul style="list-style-type: none">Hide Header<input checked="" type="checkbox"/> SetupRegistrationTimingDistributionProcessingChampionship <p>In this section, you find the same tabs as you find in the main screen.</p>	<p>In this section, you find:</p> <ul style="list-style-type: none">SetupRegistrationTimingDistributionProcessingChampionship
---	--

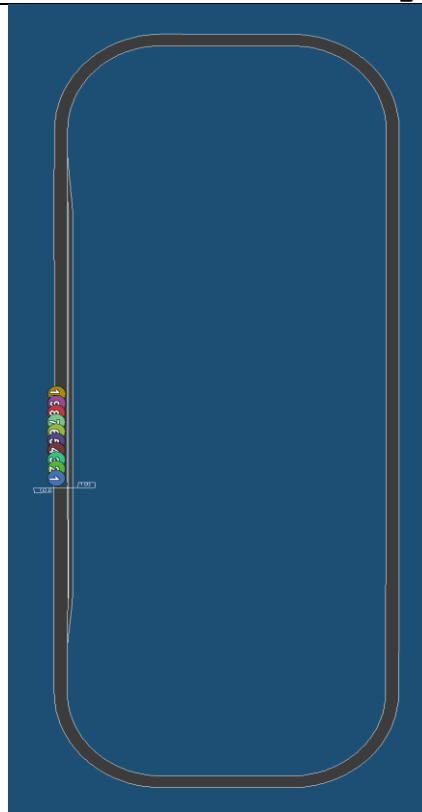


8.4. Tools

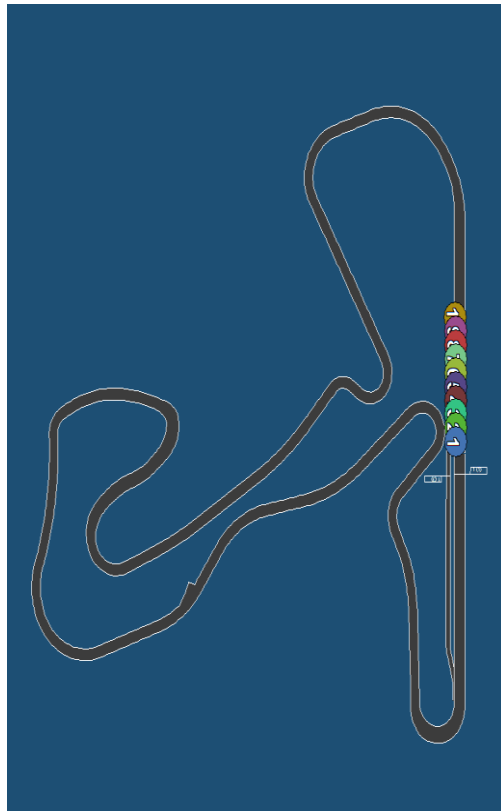
File Mylaps.com View Tools Help

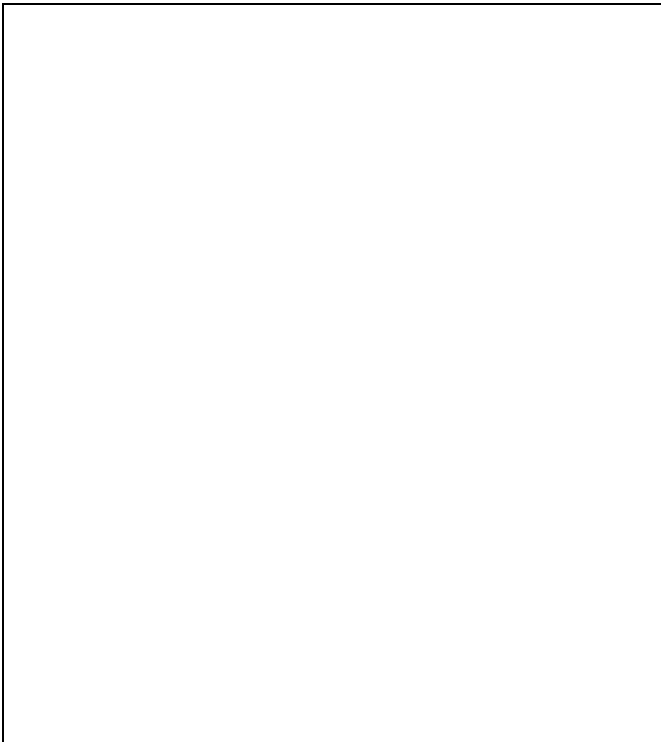
<p>Tools Help</p> <ul style="list-style-type: none"> Club Transponder Table... Open Course Simulator Options... 	<p>In this section, you find</p> <ul style="list-style-type: none"> Club transponder table Open course simulator Options
<p>Club transponder table</p> <p>General</p> <ul style="list-style-type: none"> New Edit Delete <p>Tasks</p> <ul style="list-style-type: none"> Import Export Print <p>The Club Transponder Table is designed to facilitate race series that own their own pool of rental transponders and assign them to a new competitor before each event. Instead of typing the full transponder number in the competitor information, a 1-3-digit number can be used. On the right side of the Club Transponder Table window, the full transponder numbers are shown; on the left the corresponding short reference numbers.</p>	
<p>Open Course simulator</p> <p>With the course simulator, you can simulate your event. You can choose different tracks by clicking on the settings button</p> <ul style="list-style-type: none"> • Oval Course • Road Course • Multiloop course 	
<p>Select:</p> <p>Parameters:</p> <ul style="list-style-type: none"> • Number of competitors • Number of laps • Retire percentage <p>Course type</p> <ul style="list-style-type: none"> • Oval course • Road course • Multiloop course <p>Click if you use photo cells.</p> <p>Oval course</p>	

Road course



Multiloop race





Green Flag

If you click on the green flag, the racers will race on the simulation screen.

Finish Flag

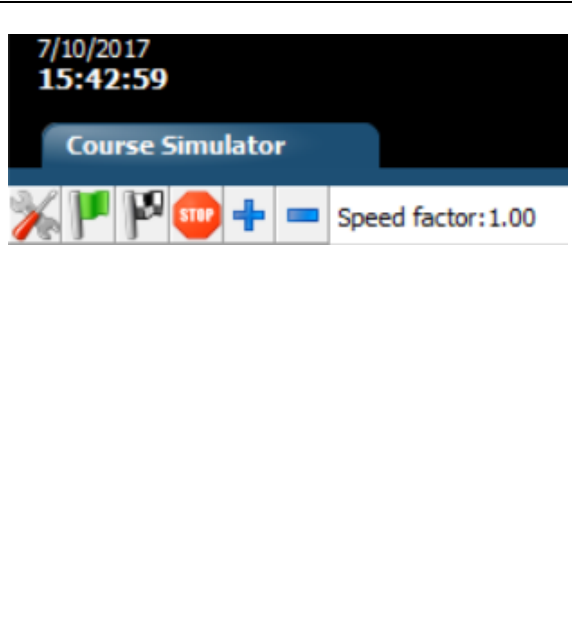
If you click on the finish flag the racers will start again

Stop

If you click on stop the racers will stop. If you click again, the racers will continue.

+ and -

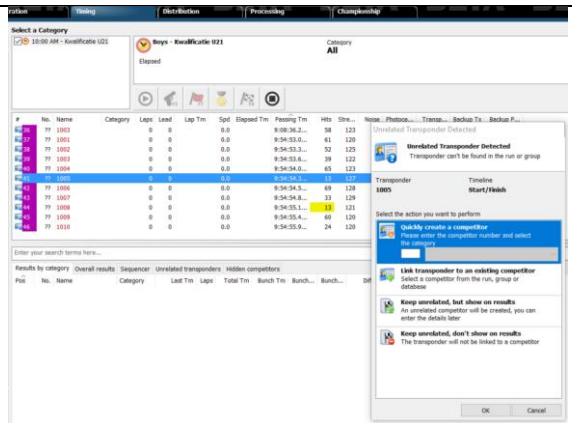
You can change the level of speed; 0.25/0.50/1.0/2.0/4.0



If you simulate your course, all details will show.

If you have an unrelated transponder detected, you can select the following actions:

- Quickly create a new competitor
- Link transponder to an existing competitor
- Keep unrelated, but show on results
- Keep unrelated, don't show on results.



Options

In this section, you change the settings of:

General
 Formatting style
 Timing
 Run defaults
 Category defaults
 Endurance features

An overview of the basic settings

General:

You can add data field names

Formatting style:

Results formatting style

- Default
- UCI
- Australia

Truncate times, show up to:

Thousandths, hundredths, tenths, seconds, minutes, hours.

Timing:

You can mark riders that did not finish (DNF)

- Mark as DNF
- Mark as DNF and move to the bottom

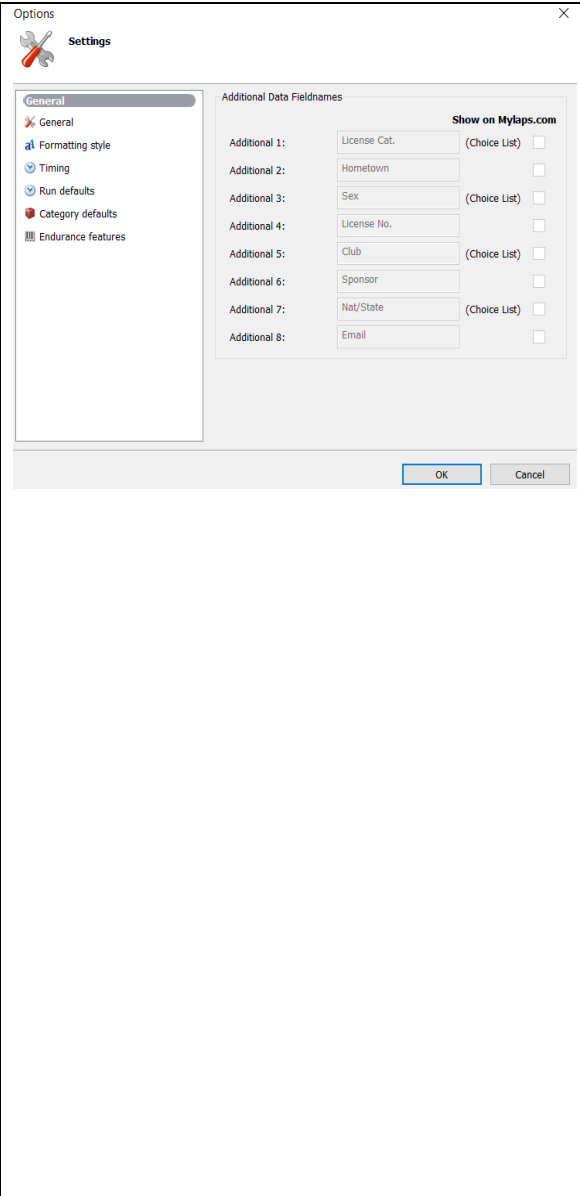
In case of ties on best lap, look at

- The second-best lap times.
- Who sets the best lap time first.

Enable bunch finish time (timing and merging)

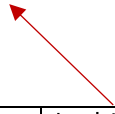
In Run defaults, category defaults, you can edit the run and category.

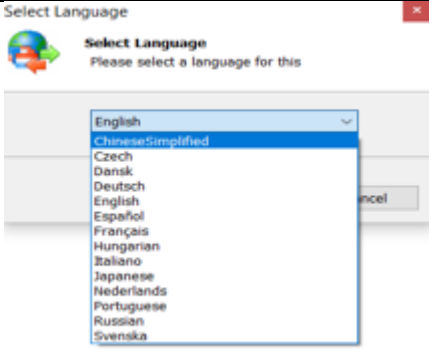
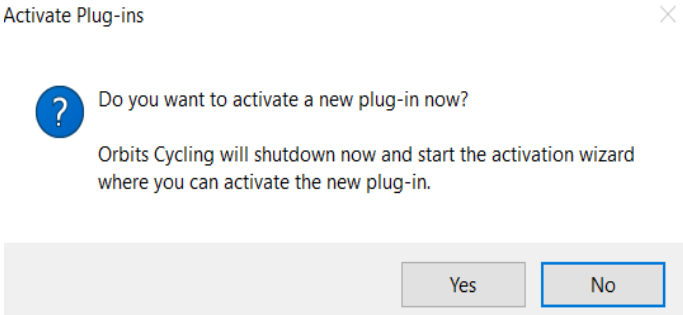
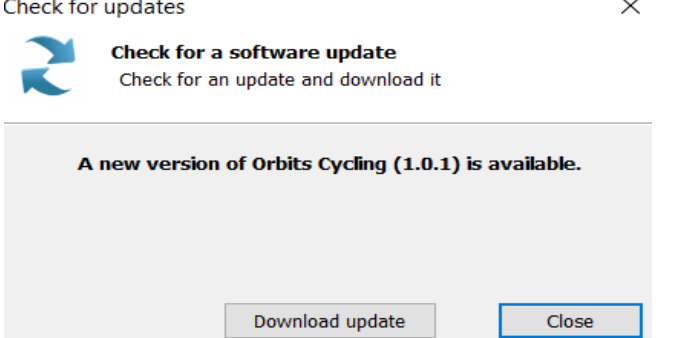
You can enable endurance features.



8.5. Help

File Mylaps.com View Tools Help



<p>Help</p> <ul style="list-style-type: none"> Orbits Cycling Manual (F1) Change Language ... Activate plug-ins Check for updates Technical support About Orbits Cycling... 	<p>In this section, you find:</p> <ul style="list-style-type: none"> Orbits Cycling Manual (F1) Change language Activate plug-ins Check for updates Technical support About Orbits Cycling
<p>Orbits Cycling manual.</p> <p>You can click on the tab or use the F1 button. The Orbits Cycling manual opens. When you close it and open it later again, the manual will open on the page where you left.</p>	
<p>Change Language</p> <p>You can choose your own language for the software Orbits Cycling.</p>	
<p>Activate plug-ins</p> <p>If you choose to activate a new plug-in, a new activation of Orbits Cycling will start.</p>	
<p>Check for updates</p> <p>If an update is ready, you can download the latest version.</p>	
<p>Technical support</p> <p>You will be redirected to the support site of MYLAPS.</p>	

About Orbits Cycling

Here you can find all details about your Orbits Cycling software

MYLAPS
SPORTS TIMING

Orbits Cycling

Copyright © 2000-2017 by MYLAPS Sports Timing
All rights reserved.
Copyright © 2000-2015 by MYLAPS Sports Timing B.V. All rights reserved. This program is protected by US and international copyright laws as described in the license agreement.

Orbits Cycling
1.1.0
Build eecbf77
Release 2017-06-22

Licensed to:

Name	Sport Passie
Registration	MYLAP-sinte-rnair-dskey
Timelines	5
Consoles	4
Extra	Announcer page Camera Plug-in Result Monitor Console

Software License Agreement

9. Appendices

9.1. Appendix A – Photocells

For backup purposes photocells and manual time keeping can be used. The photocells can be connected to the decoder. The decoder is triggered each time the light beam of the photocell is interrupted. The transponder and photocell inputs can be related to each other. Note that in Orbits the transponder system is used as primary system and therefore the transponder time is taken for timing and scoring.

When the hardware system is set up properly, the detection loop is located before the actual finish line, in that way that the transponder is in the middle of the detection loop when the front of the vehicle is crossing the finish line.

For a correct match of transponder- and photocell passing times (lap times are not affected) the photocell should be positioned at the finish line. When positioning of the photocells is not possible, the extra time difference should be calculated in the maximum transponder, photocell time separation. Make sure that when the photocells are installed, the batteries are full and that the photocells are aligned and switched on.

Setting Photocell delay

Each photocell transmitter is equipped with a selector switch for setting the photocell delay. This time defines the maximum interval between two interruptions of the light beam that will be considered as one interruption. This setting is, among others, to avoid multiple interruptions of the light beam generating multiple photocell hits.

Connecting Photocells to the decoder

Photocells are connected via a MYLAPS photocell interface cable to the auxiliary port of the MYLAPS decoder. Please refer to the hardware manual of your system for the exact pin specification of the auxiliary connector. For backup purposes photocells and manual time keeping can be used. The photocells can be connected to the decoder. The decoder is triggered each time the light beam of the photocell is interrupted. The transponder and photocell inputs can be related to each other. Note that in Orbits the transponder system is used as primary system and therefore the transponder time is taken for timing and scoring.

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For a correct match of transponder- and photocell passing times (lap times are not affected) the photocell should be positioned at the finish line. When positioning of the photocells is not possible, the extra time difference should be calculated in the maximum transponder, photocell time separation. Make sure that when the photocells are installed, the batteries are full and that the photocells are aligned and switched on.

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Connecting Photocells to the decoder

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9.2. Appendix File Formats

Result file format

The exported results file contains the results of the competitors in the selected run.

Record layout

Depending on the selected file type the output file has the following record layout:

Txt file: - FIELD - <TAB> - FIELD - <cr/lf>

Csv file: - FIELD - <COMMA> - FIELD - <cr/lf>

Fields can be numeric or alphanumeric depending on the field. Fields separator is a comma “,” (ASCII code 44 decimal) or a tab (ASCII code 9 decimal). Record separator is a carriage return (cr) plus linefeed(lf).

If you choose to export the selected columns the program will display the columns that are currently selected in the result screen.

Record format for qualify columns (run only) *Export format for a qualify result*

Pos	Finish position of the competitor, Numeric.
PIC	Finish position of the competitor in his category, Numeric. <i>(Only when show class column is on)</i>
No	Bike number of the competitor, Maximum 4, Alphanumeric.
Name	Name of the competitor, Alphanumeric.
Class	Category of the competitor, Alphanumeric. <i>(Only when Show class column is on)</i>
Best Tm	Best lap time of the competitor, Floating point with 3 decimal places.
Best Spd	Average speed of best lap
In Lap	Lap the best lap time was set, Numeric.
Diff	Differential time or laps of the competitor with the leader, Floating point with 3 decimal places or numeric.
Gap	Differential time or laps of the competitor, Floating point with 3 decimal places or numeric.
2 nd Best Tm	2 nd Best lap time of the competitor, Floating point with 3 decimal places.
2 nd Best Spd	Average speed of 2 nd best lap
2 nd In Lap	Lap the 2 nd best lap time was set, Numeric.
Car Reg	Bike registration number of the competitor
Additional Data 1	Additional data 1 of the competitor, Alphanumeric.
Additional Data 2	Additional data 2 of the competitor, Alphanumeric.
Points	Points the competitor received, Numeric. <i>(Only when Show points column is on)</i>

Sample

Pos<TAB>PIC<TAB>No<TAB>Name<TAB>Class<TAB>Best Tm<TAB>Best Spd<TAB>In Lap<TAB>Diff<TAB>Gap<TAB>2nd Best<TAB>2nd Spd<TAB>2nd Lap<TAB>Car/Bike Reg<TAB> Additional 1<TAB> Additional 2<TAB>Points<cr/lf>

Record format for race columns (run only)

Export format for a race result

Pos	Finish position of the competitor, Numeric.
PIC	Finish position of the competitor in his category, Numeric. <i>(Only when show class column is on)</i>
No	Bike number of the competitor, Maximum 4, Alphanumeric.
Name	Name of the competitor, Alphanumeric.
Class	Category of the competitor, Alphanumeric. <i>(Only when Show class column is on)</i>
Laps	The number of laps of the competitor, Numeric.
Total Tm	Total race time of the competitor, Floating point with 3 decimal places.
Diff	Differential time or laps of the competitor with the leader, Floating point with 3 decimal places or numeric.
Gap	Differential time or laps of the competitor, Floating point with 3 decimal places or numeric.
Avg Spd	Average speed of race
Best Tm	Best lap time of the competitor, Floating point with 3 decimal places.
Best Spd	Average speed of best lap
In Lap	Lap the best lap time was set, Numeric.
Car Reg	Bike registration number of the competitor
Additional Data 1	Additional data 1 of the competitor, Alphanumeric.
Additional Data 2	Additional data 2 of the competitor, Alphanumeric.
Points	Points the competitor received, Numeric. <i>(Only when Show points column is on)</i>

Sample

Pos<TAB>PIC<TAB>No.<TAB>Name<TAB>Class<TAB>Laps<TAB>Total Tm<TAB>Diff<TAB>Gap<TAB>Avg. Speed<TAB>Best Tm<TAB>Best Spd<TAB>In Lap<TAB>Car/Bike Reg<TAB>Additional 1<TAB>Additional 2<TAB>Points

Record format for qualify columns (merge only) *Export format for a merged qualify result*

Pos	Finish position of the competitor, Numeric.
No	Bike number of the competitor, Maximum 4, Alphanumeric.
Name	Name of the competitor, Alphanumeric.
Class	Category of the competitor, Alphanumeric. <i>(Only when Show class column is on)</i>
Overall Best Tm	Overall best lap time of the competitor, Floating point with 3 decimal places.
In session	The name of the session the best lap time was set. For each session in the merge the following column(s) will be included
Best Tm	Best lap time of the competitor in this session, Floating point with 3 decimal places.
2 nd Best Tm	2 nd Best lap time of the competitor in this session, Floating point with 3 decimal places.
Car Reg	Bike registration number of the competitor
Additional Data 1	Additional data 1 of the competitor, Alphanumeric.
Additional Data 2	Additional data 2 of the competitor, Alphanumeric.
Points	Points the competitor received, Numeric. <i>(Only when Show points column is on)</i>

Sample with 3 runs in the merge

Pos<TAB>No.<TAB>Name<TAB>Class<TAB>Overall BestTm<TAB>In Session<TAB>Best: Run 1<TAB>2nd: Run 1<TAB>Best: Run 2<TAB>2nd: Run 2<TAB>Best: Run 2<TAB>2nd: Run 2<TAB>Car/Bike Reg<TAB>Additional 1<TAB>Additional 2<TAB>Points

Record format for race columns (merge only) *Export format for a merged race result*

Pos	Finish position of the competitor, Numeric.
No	Bike number of the competitor, Maximum 4, Alphanumeric.
Name	Name of the competitor, Alphanumeric.
Class	Category of the competitor, Alphanumeric. <i>(Only when Show class column is on)</i>
Laps	The number of laps of the competitor, Numeric.
Total Tm	Total race time of the competitor, Floating point with 3 decimal places.
In Session	Session where the result was set For each session in the merge the following column(s) will be included
Laps	The number of laps of the in the specific run/merge, Numeric.
Car Reg	Bike registration number of the competitor
Additional Data 1	Additional data 1 of the competitor, Alphanumeric.
Additional Data 2	Additional data 2 of the competitor, Alphanumeric.
Points	Points the competitor received, Numeric. <i>(Only when Show points column is on)</i>

Sample with 3 runs in the merge

Pos<TAB>No.<TAB>Name<TAB>Class<TAB>Laps<TAB>Total Tm<TAB>In Session<TAB>Laps: Run 1<TAB>Laps: Run 2<TAB>Laps: Run 3 <TAB>Car/Bike Reg<TAB>Additional 1<TAB>Additional 2<TAB>Points

Point columns for points (merge only) *Export format for a merged point result*

Pos	Finish position of the competitor, Numeric.
No	Bike number of the competitor, Maximum 4, Alphanumeric.
Name	Name of the competitor, Alphanumeric.
Class	Category of the competitor, Alphanumeric. <i>(Only when Show class column is on)</i>
Total Points	Total points, Numeric. For each session in the merge the following column(s) will be included
Points	Points for this session, Numeric.
Car Reg	Bike registration number of the competitor
Additional Data 1	Additional data 1 of the competitor, Alphanumeric.
Additional Data 2	Additional data 2 of the competitor, Alphanumeric.
Points	Points the competitor received, Numeric. <i>(Only when Show points column is on)</i>

Sample with 3 runs in the merge

```
Pos<TAB>No.<TAB>Name<TAB>Class<TAB>Total Points <TAB>Points: Run 1<TAB>Points: Run 2<TAB>Points: Run 3
<TAB>Car/Bike Reg<TAB>Additional 1<TAB>Additional 2<TAB>Points<cr/lf>
```

Competitor file format

The competitor file contains competitors from a run, group or from the database.

Record layout

Depending on the selected file type the output file has the following record layout:

Txt file: - FIELD - <TAB> - FIELD - <cr/lf>

Csv file: - FIELD - <COMMA> - FIELD - <cr/lf>

Fields can be numeric or alphanumeric depending on the field. Fields separator is a comma "," (ASCII code 44 decimal) or a tab (ASCII code 9 decimal). Record separator is a carriage return (cr) plus linefeed(lf). Alphanumeric data is started and ended with quotes. The first line of the export file contains the header information.

Record format for competitor

No	Bike number of the competitor, Maximum 4, Alphanumeric.
Class	Category of the competitor, Alphanumeric. <i>(Only when Show class column is on)</i>
First name	First name of the competitor, Alphanumeric.
Last name	Last name of the competitor, Alphanumeric.
Car Reg	Car registration number of the competitor, Alphanumeric.
Driver Reg	Driver registration number of the competitor, Alphanumeric.
Transponder 1	1 st transponder number, can be numeric or Alphanumeric.
Transponder 2	2 nd transponder number, can be numeric or Alphanumeric.
Additional Data 1	Additional data 1 of the competitor, Alphanumeric.
Additional Data 2	Additional data 2 of the competitor, Alphanumeric.
Additional Data 3	Additional data 3 of the competitor, Alphanumeric.
Additional Data 4	Additional data 4 of the competitor, Alphanumeric.
Additional Data 5	Additional data 5 of the competitor, Alphanumeric.
Additional Data 6	Additional data 6 of the competitor, Alphanumeric.
Additional Data 7	Additional data 7 of the competitor, Alphanumeric.
Additional Data 8	Additional data 8 of the competitor, Alphanumeric.

Sample

```
"No"<TAB>"Class"<TAB>"FirstName"<TAB>"LastName"<TAB>"CarRegistration"<TAB>"DriverRegistration"<TAB>"Transponde
r1"<TAB>
"Transponder2"<TAB>"Additional1"<TAB>"Additional2"<TAB>"Additional3"<TAB>"Additional4"<TAB>"Additional5"<TAB>"A
dditional6"<TAB>
"Additional7"<TAB>"Additional8<cr/lf>"
```

Groups and Runs file format

The groups and runs file contains competitors from a run, group or from the database.

The 3rd party import allows 3rd party software to import groups runs and competitors via an XML file. The XML file should be utf-8 encoded.

The following sections describe how the XML file should be formatted.

Prolog

The XML file should be preceded by the following prolog.

```
<?xml version="1.0" encoding="utf-8"?>
```

XML basic structure

The XML document should contain the "groups" root node and the attributes listed below.

Elements	Description	Number
groups	The root element	1
group	Group	0..*
competitors	Group of competitors	1
runs	Group of runs	1
run	Run element, a practice, qualify or race	0..*
competitor	Competitor, a participant	0..*

Example:

```
<groups>
<group name="MX1" description="test">
  <competitors>
    <competitor no="12" class="MX1" registration="033133"/>
    <competitor no="19" class="MX1" registration="033153"/>
  </competitors>
  <runs>
    <run name=" Free Practice" date="12-03-2009" time=" 16:00"/>
  <competitors>
    <competitor no="12" class="MX1" registration="033133"/>
    <competitor no="19" class="MX1" registration="033153"/>
  </competitors>
  <run name=" Qualify" date="12-03-2009" time=" 17:00"/>
  <run name=" Race" date="12-03-2009" time=" 17:00"/>
</runs>
</group>
</groups>
```

Notes

For groups and runs, the name is the unique identifier. For competitors, the driver registration code is the unique identifier. This means that if a group is imported already exists in the selected event, the program will update the group instead of creating a new one. The same applies for runs and competitors.

Attribute explanation

name	Bold	Means Unique identifier
name	Normal	Means Required field
name	<i>Italic</i>	Means optional field

Element	Attributes	Values	Description	Example	
group	name	string	The name of the group	<i>MX1</i>	
	<i>description</i>	string	Description of the group	<i>All MX1 sessions</i>	
run	name	string	The name of the session	<i>10cc practice</i>	
	shortname	string	The venue (or short name) of the session	<i>10p</i>	
	date	date (yyyy-mm-dd)		<i>2009-01-01</i>	
	time	time (hh:mm)	The date the session starts	<i>12:00</i>	
	type	<i>options:</i> practice, singlecarqualify, qualify, race		The time the session starts	<i>qualify</i>
				The type of session	
				Practice session Single car qualifying session Qualifying session Race session	
	<i>startmethod</i>	<i>options:</i> flag, firstpassing, staggered		Session start method Start race on the green flag Start the race on the first S/F passing	<i>flag</i>
	<i>minimumlaptime</i> <i>countfirst</i>	time (mm:ss)		Staggered start	<i>01:00</i>
		<i>options:</i> none, lap, laptimefromgreen		The minimum lap time Count first passing as Do not count first passing on S/F Count first passing	<i>none</i>
	<i>stopclockred</i> <i>countlapsred</i> <i>copyfromgroup</i> <i>autofinishmethod</i>	boolean		Count lap time from green flag to first passing on S/F	<i>true</i> <i>false</i>
		boolean		Stop the race clock during red flag if true	<i>true</i> <i>timeorlaps</i>
	<i>autofinishtime</i> <i>autofinishlaps</i> <i>qualificationtype</i>	<i>options:</i> none time laps timeandlaps timeorlaps individualontime individualonlaps		Count laps during red flag if true Copy competitors from group in case of unrelated transponders Auto finish after Don't use auto finish Completing race time (of leader) Completing a number of leader laps	<i>00:15:00</i> <i>10</i> <i>max-positions</i>
		time (hh:mm:ss)		Completing race time and a number of laps	
		integer		Completing race time or a number of laps	
		<i>options:</i> none max-position max-best-laptime max-avg-best-laptime		Completing individual race time Completing a number of (individual) laps	
		laptime		The race time of this session	
		min-laptime		The race distance of this session	
		min-leader-laps-up		Don't use the qualification type	
		min-leader-laps-down		Max. Number of competitors (all sessions types)	<i>107,3</i> <i>107</i>
		min-laps		Max. percentage of best lap time (practice, qualify)	
		string		Max. percentage of avg. best lap time top x (practice, qualify) Minimum lap time (practice, qualify) Min. percentage of total leader laps rounded up (race) Min. percentage of total leader laps rounded down (race) Min. number of laps (race) Depends on the qualification type: Time (mm:ss.nnn) in case of min-lap time Number (%), number (top x) in case of max-avg-best-lap time	

		Number (% competitors, laps) for other requirement types		
competitor	no	integer	The competitor number	1
	driverregistration	string	The unique driver registration	123456
	registration	string	The unique registration	123456
	class	string	Competitor class	Juniors
	firstname	string	Competitor first name (or team name in case of driver id)	John
	lastname	string	Competitor last name	Doe
	points	integer	The points of this competitor	42
	transponders	list	A comma separated list of transponders	123456, AA-12345
	drivers	list	A comma separated list of drivers	John Doe, Max
	additional1	string	Free text field	
	additional2	string	Free text field	
	additional3	string	Free text field	
	additional4	string	Free text field	
	additional5	string	Free text field	
	additional6	string	Free text field	
	additional7	string	Free text field	
	additional8	string	Free text field	

10. Support

In case you encounter any issues, please contact your sales offices:

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