

Eagle Eye Pro integration

Modified on: Thu, 13 Jun, 2024 at 5:11 PM

This user guide describes how to seamlessly integrate the Roster Athletics platform with the Eagle Eye Pro timing system.

This guide is divided into a few sections below:

- **What do you need to do to set up the integration?**
- **Integration**
 - **Download the meet/meeting authentication file**
 - **Load the authentication file in the Roster Agent and Start the live session**
 - **Time with Eagle Eye Pro**
- **Troubleshooting Tips & Tricks**

What do you need to do to set up the integration?

- You have already created the meet/meeting on the Roster Athletics platform.
- You have downloaded and installed the Roster/EagleEyePro data transfer program named the **Roster Athletics Agent** (you can download the program here: **Download and install the Roster Agent** (<https://support.rosterathletics.com/en/support/solutions/articles/44001951270-download-the-rosteragent>)).
- You have an active demo of, or a full license to use, the EagleEyePro software (note that Eagle Eye Pro only works with Windows). You can download it from the following link: **https://www.eagleeyedv.com/category_s/866.htm** (https://www.eagleeyedv.com/category_s/866.htm). Eagle Eye 5.2.0.101 or greater will have native Roster support out of the box. For Eagle-Eye specific questions, email **support@eagleeyetrack.com**.

The Roster Agent program is a small program that allows communications between the Roster platform and Eagle Eye Pro so that they can stay in sync with each other during the competition for start lists upload from Roster to Eagle Eye Pro and results download and sync from Eagle Eye Pro to the Roster platform (and immediately in the app).

Now you should have everything ready to start the integration. Make sure you have the following three programs open:

1. **Roster Athletics** in a browser - from which a meet/meeting configuration file is downloaded prior to meet/meeting start
2. **Roster Agent** running - connects the meet/meeting in Roster with a live session for timing
3. **Eagle Eye Pro** running - import start lists, time, save results to the live session

Integration

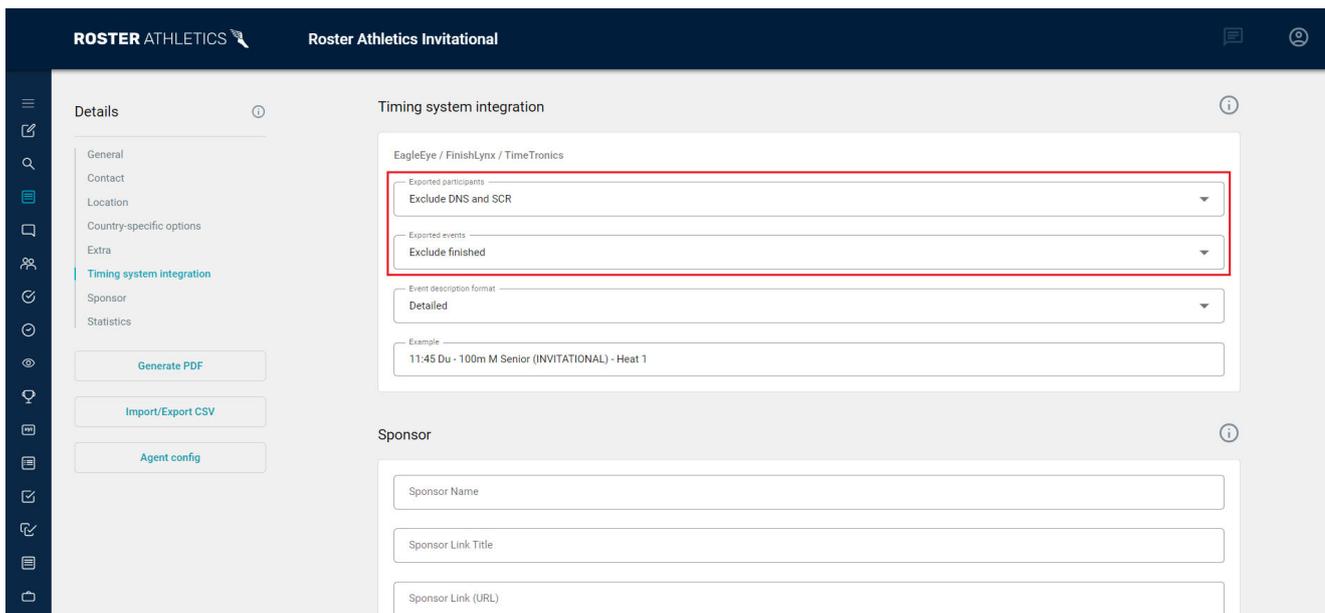
The **Roster Agent** shares information data between Eagle Eye Pro and Roster by using shared **LIF files**. You can use the same computer as the timing computer or use a shared network file folder between computers (e.g. one computer running Roster/Roster Agent and another computer running Eagle Eye Pro).

1. Download the meet/meeting authentication file

First choose participants that you want to export from Roster Athletics to Eagle Eye Pro. You can find this setting on the meet/meeting Details in the **Timing system integration** section.

You can export all participants or exclude participants with DNS and SCR statuses (e.g., when you already know before the competition that the athlete will not show up, but do not want to remove him/her).

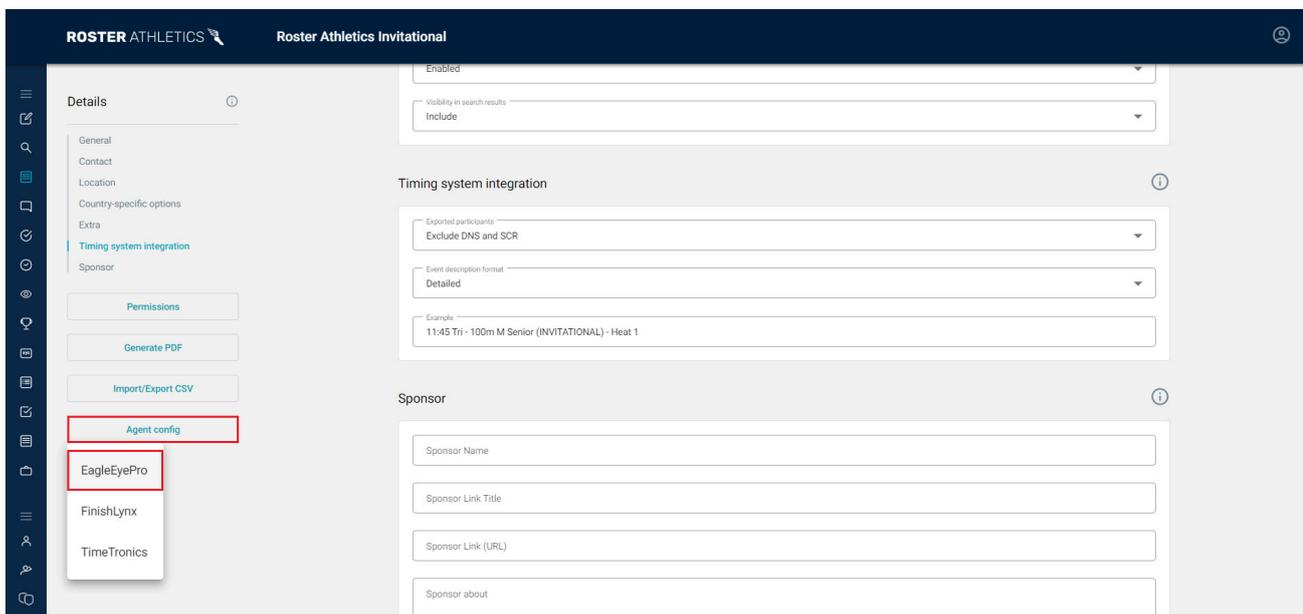
In the **Exported events** field, you can choose an option for the category of events you want to send to the Agent for timing. You can export all events or exclude finished events.



The screenshot shows the 'Timing system integration' section of the 'Roster Athletics Invitational' details page. The 'Exported participants' dropdown is set to 'Exclude DNS and SCR' and the 'Exported events' dropdown is set to 'Exclude finished'. The 'Event description format' is set to 'Detailed'. An example event description is shown: '11:45 Du - 100m M Senior (INVITATIONAL) - Heat 1'. Below this, the 'Sponsor' section has three input fields: 'Sponsor Name', 'Sponsor Link Title', and 'Sponsor Link (URL)'.

Leave or set the **Event description format** field to **Detailed**.

On the left-hand-side, click the **Agent config** button and select **EagleEyePro**.



The screenshot shows the 'Agent config' section of the 'Roster Athletics Invitational' details page. The 'Agent config' button is highlighted with a red box. A dropdown menu is open, showing 'EagleEyePro' selected, with other options 'FinishLynx' and 'TimeTronics'. The 'Timing system integration' section is visible above, showing 'Exported participants' set to 'Exclude DNS and SCR' and 'Event description format' set to 'Detailed'. The 'Sponsor' section is visible below, with input fields for 'Sponsor Name', 'Sponsor Link Title', 'Sponsor Link (URL)', and 'Sponsor about'.

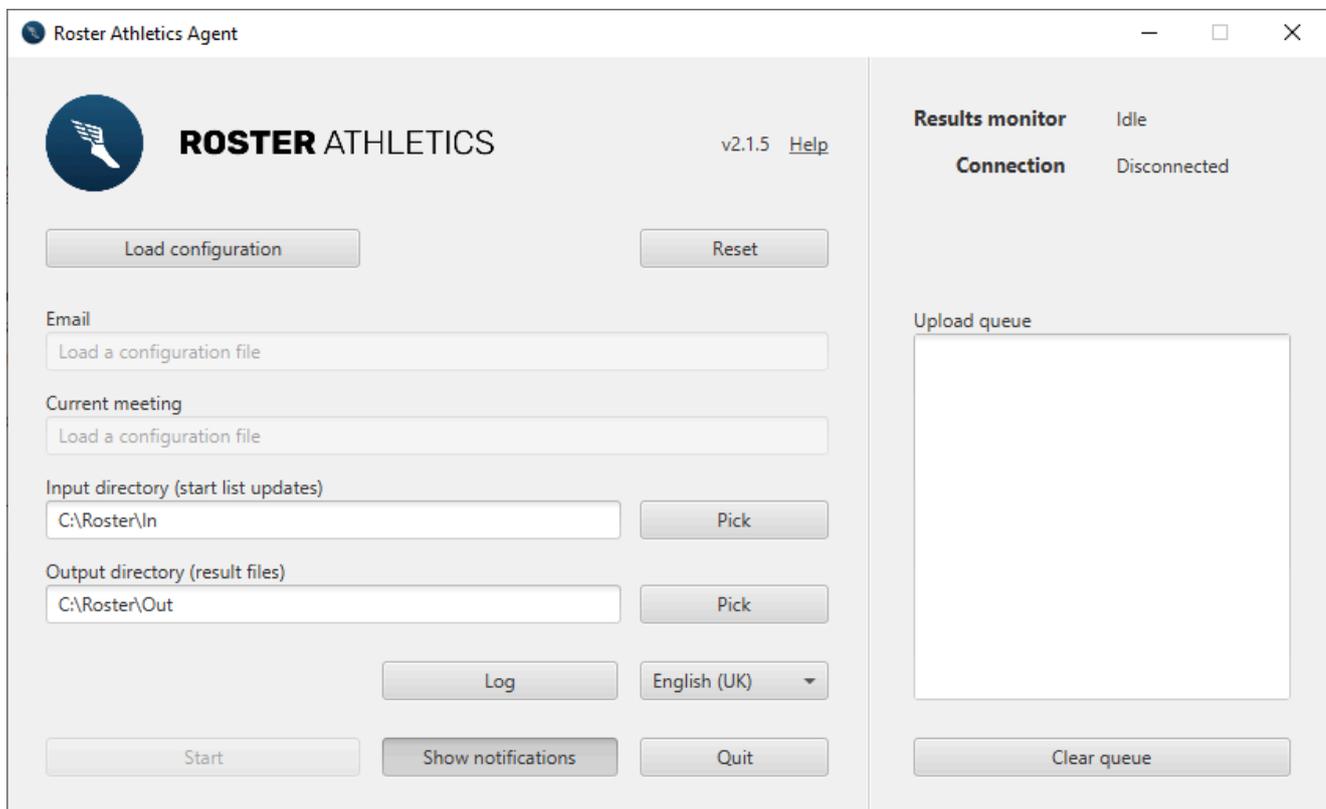
This will download an authentication .roster file for your specific meet/meeting that lets the RosterAgent know to use this meet/meeting to connect with Eagle Eye Pro. Save the file in a place where you can easily find it again.

Please note: It is critical that you use the **LAST** downloaded authentication file to load into the RosterAgent. Otherwise, the permissions will not match and you will not be able to connect to your meet/meeting (“Can’t connect - permission denied”).

2. Load the authentication file in the Roster Agent and Start the live session

Once the Roster Agent is open, select the **Input directory (start list updates)** for EVT files and **Output directory (result files)** for LIF files in the Roster Agent. These directories **NEED TO BE THE SAME** as the input and output directories that Eagle Eye Pro uses in order for the data to be transferred between Roster and Eagle Eye Pro (see below on the Eagle Eye Pro setup).

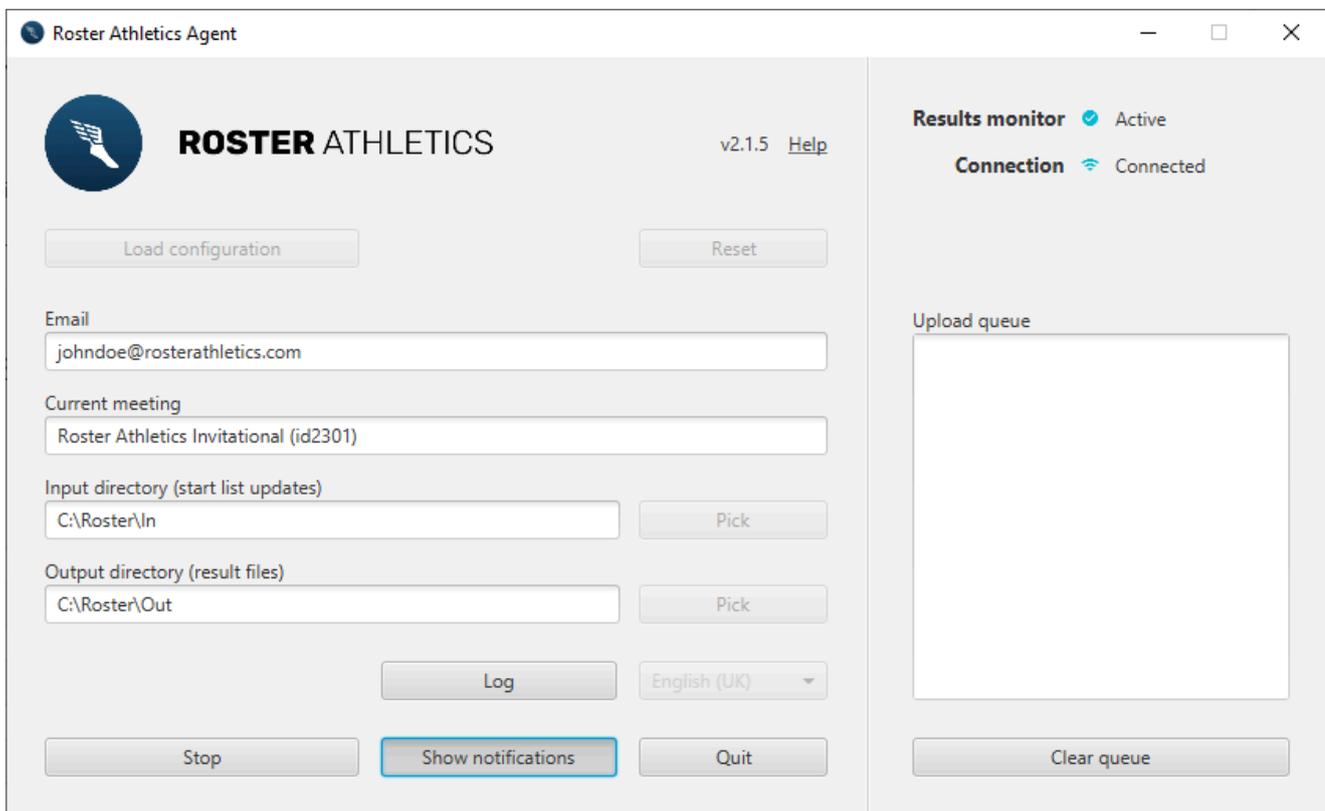
TIP: the **input** and an **output directory** should be folders or sub-folders on a drive (e.g., C:) and you should avoid adding the folder directly to your desktop.



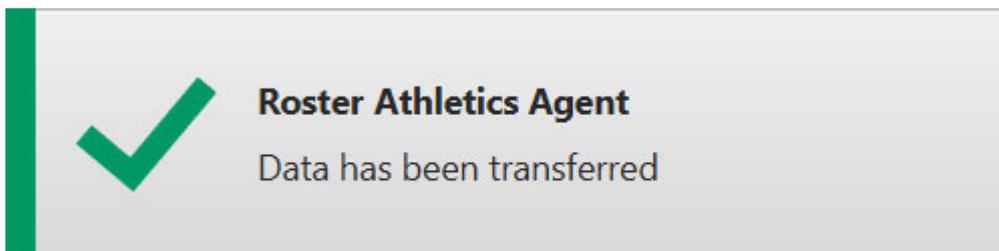
Click on **Load configuration** and select the latest .roster authentication file (e.g., meeting-xxx-auth.roster) that you downloaded, per the above, for this meet/meeting. This will store the directory information so you don't need to enter directory settings every time).

Click **Start**. The live session for Eagle Eye Pro and Roster Athletics is now connected if the **Result monitor** status is **Active** and the **Connection** status is **Connected**.

Note that **Stop** will stop the connection, and **Quit** will exit the program completely. To change a configuration file or to change input/output directories, the connection must be stopped (i.e. no active connection).



If you have **Show notifications** enabled by default, you will see status messages such as:



You can disable notifications by pressing the **Show notifications** button, which will then appear as a lighter shade button.

When the Roster Agent is running, pay attention to the **Result monitor** and **Connection** statuses:

Result monitor:

- Active - normal operational mode
- Idle
- Initialising
- Stopping

Connection:

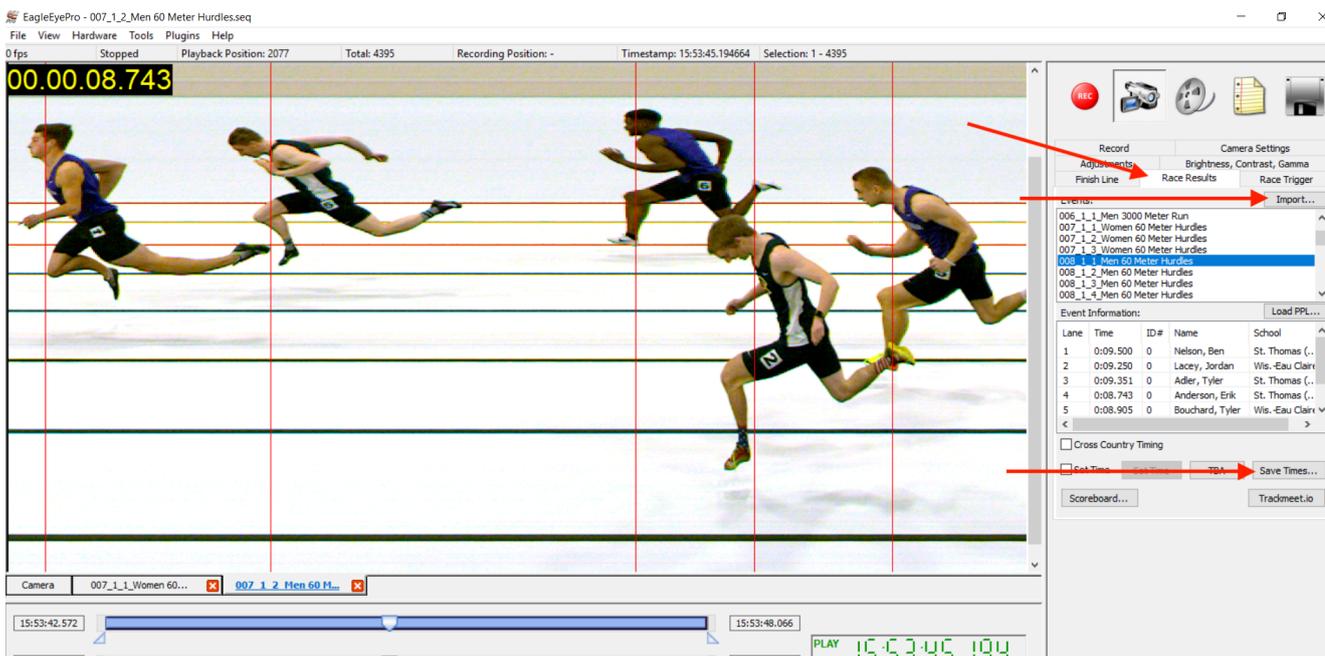
- Connecting
- Connected - normal operational mode
- Disconnecting
- Disconnected
- Reconnecting - agent will automatically attempt to reconnect
- Invalid - using outdated configuration file: try to re-download and then reload the config file

3. Time with Eagle Eye Pro

The Eagle Eye Pro system and software is configured to work with Roster Athletics out of the box. You need to make sure the Eagle Eye Pro **Input Directory** and the **Output Directory** point to the same directories as you set up in the **RosterAgent**.

Please note: if the directories are not the same between Roster and Eagle Eye Pro, the data will not be transferred, and you will not get the expected results. Please double-check these directories.

Once you have prepared your start lists in Roster Athletics, go to Eagle Eye Pro. Click on the **Race Results** tab, and when you see an option to **Import...** Click on this, go to the same input directory as that of the Roster Agent, and select the .evt file created titled **Lynx**.



Now the synchronization setup is complete, and all available start lists are loaded into Eagle Eye Pro. Eagle Eye Pro is now ready to go, and the event can commence in the standard Eagle Eye Pro procedure. Once the event has finished and Eagle Eye Pro has the marked results, click on **Race Results** → **Save Times...** Make sure this file directory is the same as the Roster Agent Output directory, from which you can go ahead and use the default event filename when saving.

Now you can go back to Roster Athletics web admin and see the times and rankings for the athletes updated from Eagle Eye Pro. The results are also immediately available in the Roster Athletics App.

Important note: every time you update the start list in Roster Athletics, it is automatically pushed to the **Roster Agent**, but you still need to **Import...** the .EVT file in Eagle Eye Pro to load these changes. For live field results entry, please see the **Meet Mgmt App guides** (<https://support.rosterathletics.com/en/support/solutions/folders/44001205585>).

Competitor status: in Eagle Eye Pro, the status (DNS, DQ, DNF for each athlete can be set by clicking the **Time** field → `right click`.

DQ rules can be added in Roster but not directly from Eagle Eye Pro.

Precision: we recommend using **Thousandths** as results precision in Eagle Eye Pro. Using thousandths, all results will be sent to the Roster system with 1/1000 precision, allowing Roster to assign the correct places automatically. When setting to thousandths, the Roster app and .pdf results printouts will still show hundredths except for when there is a tie in the hundredths place, in which case the thousands place will be used to calculate place and shown accordingly, for example, when two athletes from two different heats have the same result.

Troubleshooting Tips & Tricks

- Make sure you are running the latest version of the Roster Agent (please see the **Download and install Roster Agent** (<https://support.rosterathletics.com/en/support/solutions/articles/44001951270>), for the latest version number).
- If a "Can't connect - permission denied" message pops up while trying to connect the Roster Agent, make you have loaded the latest version of the meet/meeting agent configuration file. This file is downloaded from meet/meeting **Details** → **Agent config**.
- If you are using shared folders and your connection status is good but either a.) your start lists in Roster are not updating to Eagle Eye Pro or b.) your saved results in Eagle Eye Pro are not being updated to Roster, make sure you carefully check your paths on both the Roster Agent and Eagle Eye Pro (Import... and Save Times...) to see that both the set of input and output directories are pointing to the **exact** same location and that the settings described above for set-up are all followed precisely.
- The Roster Agent can queue up saved Eagle Eye Pro results if you lose connectivity (e.g. bad or very slow internet). If you lose the connection, the saved LIF files will be queued up and uploaded automatically once the reconnection has been detected and re-established by the Agent. The upload queue is visible in the Roster Agent and will normally be empty when there are no connection issues or cleared once any queued results are automatically uploaded.
- For Eagle Pro Support, contact support@eagleeyetrack.com

FinishLynx integration

Modified on: Thu, 13 Jun, 2024 at 5:13 PM

This user guide describes how to seamlessly integrate the Roster Athletics platform with the FinishLynx timing system.

This guide is divided into a few sections below:

- **What do you need to do to set up the integration?**
- **Integration type**
- **Starting integration**
- **Troubleshooting Tips & Tricks**

What do you need to do to set up the integration?

- You have already created the meet/meeting on the Roster Athletics platform.
- You have downloaded and installed the Roster/Lynx data transfer program named **Roster Athletics Agent** (you can download the program here: **Download and install the RosterAgent** (<https://support.rosterathletics.com/en/support/solutions/articles/44001951270-download-the-rosteragent>)).
- You have an active demo of, or a full license to use, the FinishLynx software (note that FinishLynx only works with Windows). You can download it here: **http://www.finishlynx.com/product/software/finishlynx-results-software/** (<http://www.finishlynx.com/product/software/finishlynx-results-software/>).

The RosterAgent program is a small program that allows communications between the Roster platform and FinishLynx so that they can stay in sync with each other during the competition for start lists upload from Roster to Lynx and results download and sync from Lynx to the Roster platform (and immediately in the app).

Now you should have everything ready to start the integration. Make sure you have the following three programs open:

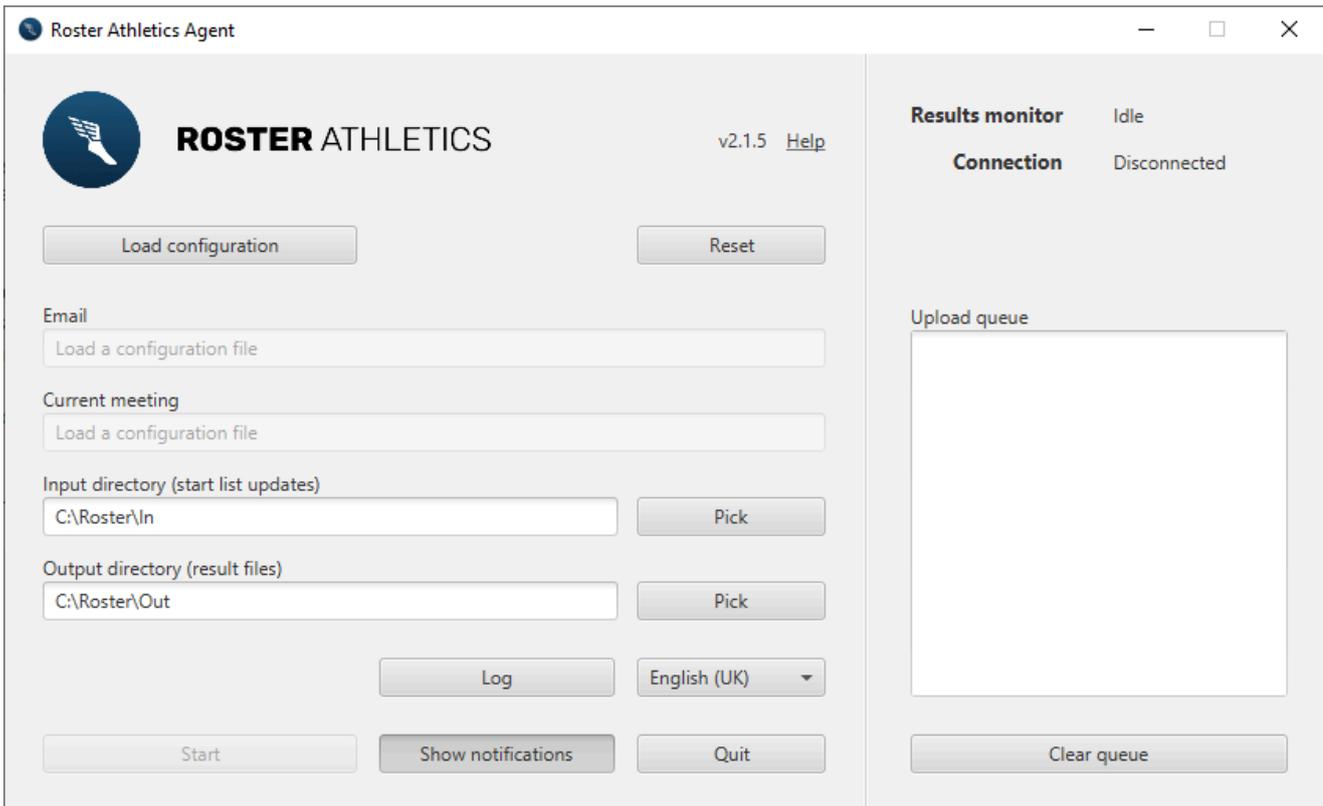
1. **Roster Athletics** in a browser
2. **FinishLynx** running
3. **RosterAgent** running

Integration type

The **RosterAgent** shares information data between Lynx and Roster by using shared **LIF files**. It works if you are using the same computer or a shared file folder between computers (e.g. one computer running Roster/Roster Agent and another running FinishLynx).

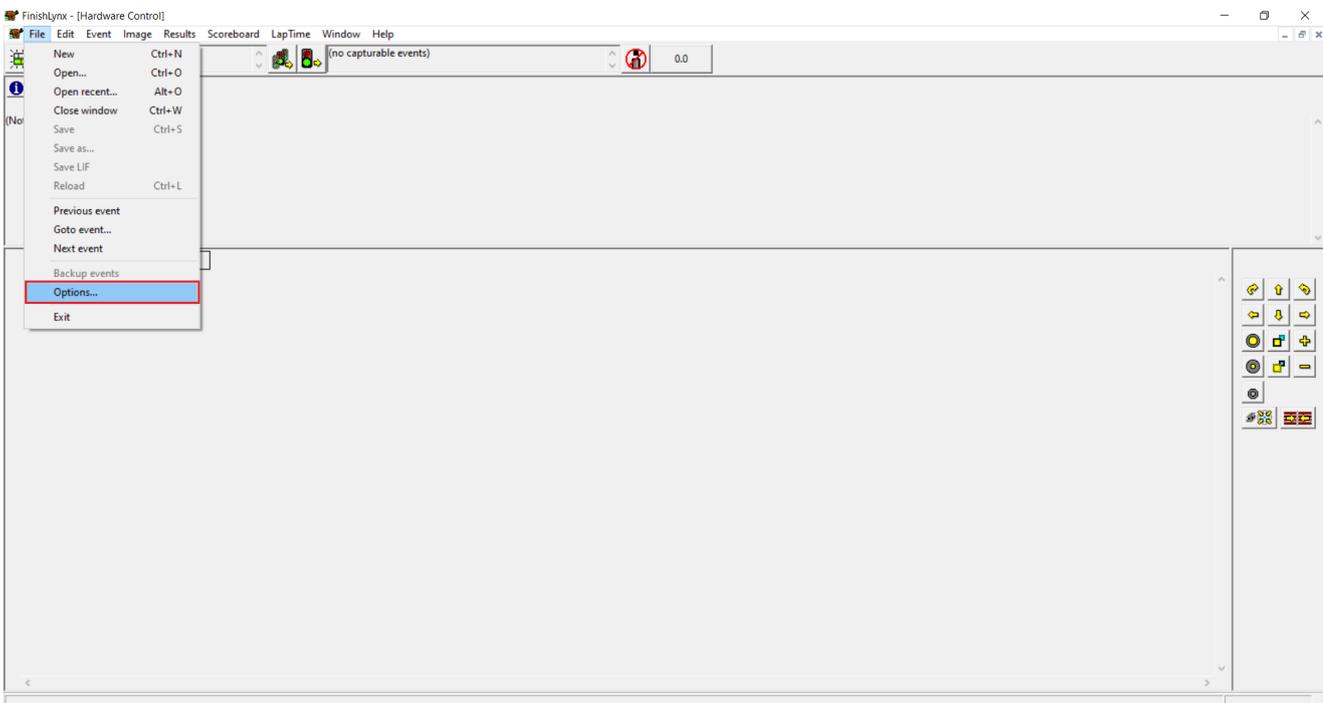
To start integration, you must select the **Input directory (start list updates)** for EVT files and **Output directory (result files)** for LIF files. These directories **NEED TO BE THE SAME** as the input and output directories FinishLynx uses for transferring data between Roster and Lynx (see below on the Lynx setup).

TIP: the **input** and an **output directory** should be folders or sub-folders on a drive (e.g., C:) and you should avoid adding the folder directly to your desktop.



Now let's go to the FinishLynx setup before returning to load the configuration in Roster. Go to the FinishLynx program.

Open the **Options menu** under **File** in FinishLynx.



Ensure the **Input Directory** and **Output Directory** point to the same directories you set up in the **RosterAgent**. Additionally, you must ensure that **Code set** and **LIF Code set** are set to **Unicode**.

Please note: if the directories differ between Roster and Lynx, the data will not be transferred, and you will not get the expected results. Please double-check these directories.

The image shows a screenshot of the 'Options' dialog box, specifically the 'Database' tab. The dialog has several sections with various settings:

- Data Source:** Radio buttons for 'None', 'Files' (selected), and 'Serial Port'.
- Code Set:** Radio buttons for 'Single Byte', 'Unicode' (selected), and 'Native'.
- Time Precision:** A dropdown menu set to '<on screen>' and a checkbox for 'Suppress minute'.
- Input Directory:** A text box containing 'C:\Roster\In' and a 'Browse...' button.
- Output Directory:** A text box containing 'C:\Roster\Out' and a 'Browse...' button.
- Serial Port:** A dropdown menu set to '<none>', a 'Baud' dropdown set to '9600', 'Data Bits' set to '8', 'Parity' set to 'None', and 'Stop Bits' set to '1.0'.
- Serial Version:** Radio buttons for '1' (selected) and '2 (Checksum)'.
- Write LIF File:** Radio buttons for 'Off' and 'On' (selected).
- LIF File Name:** Checkboxes for 'Date' and 'Text' (both checked), a text box, and a checkbox for 'Filters'.
- LIF Code Set:** Radio buttons for 'Single Byte', 'Unicode' (selected), and 'Native'.
- Reactime Port:** A dropdown menu set to 'Files'.

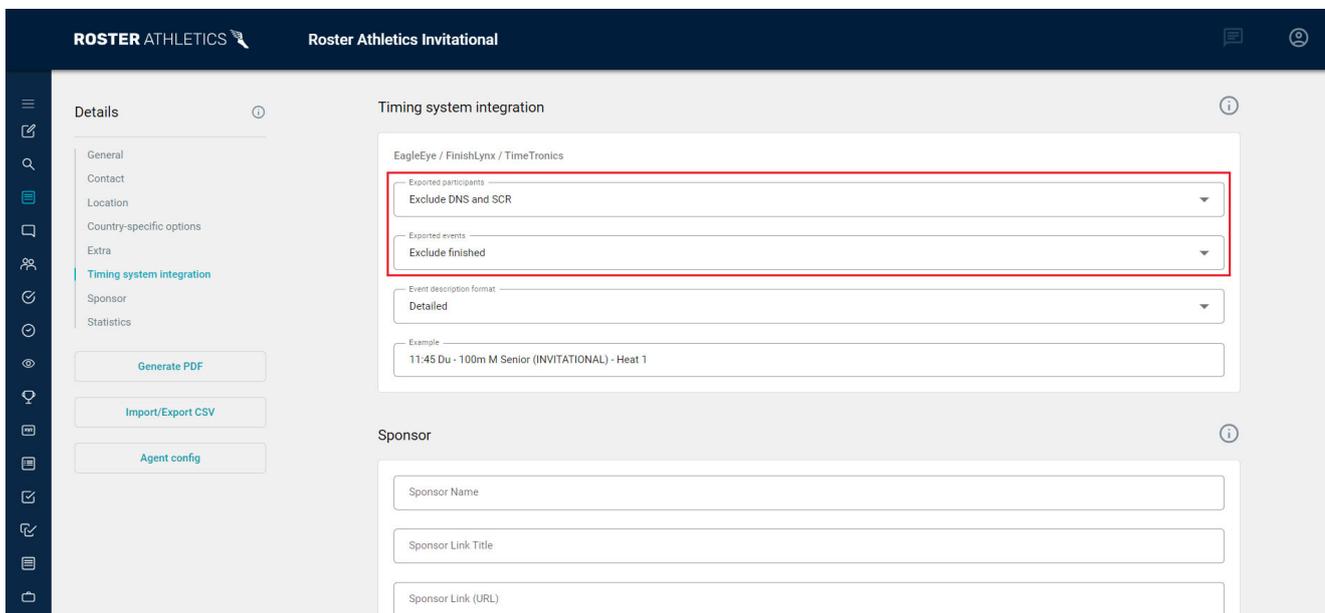
At the bottom of the dialog are 'Ok' and 'Cancel' buttons.

You will only need to change these settings the first time you set up the integration, after which they will come up by default.

Starting integration

1. Choose participants you want to export from Roster Athletics to FinishLynx. You can find this setting in the **Timing system integration** section on the meet/meeting **Details**.

You can export all participants or exclude participants with DNS and SCR statuses (e.g. when you already know before the competition that the athlete will not show up but do not want to remove him/her).



2. In the **Exported events** field, you can choose an option for the category of events you want to send to FinishLynx for timing. You can export all events or exclude finished events so that they will not appear in FinishLynx.

3. In the same section below, choose the display format that will be visible and used within FinishLynx when viewing events.

Timing system integration

This is a close-up view of the 'Timing system integration' form. The 'Exported participants' dropdown is set to 'Exclude DNS and SCR'. The 'Event description format' dropdown is highlighted with a red border and set to 'Detailed'. Below it, the 'Example' field shows the text '11:45 Tri - 100m M Senior (INVITATIONAL) - Heat 1'. An information icon is visible in the top right corner of the form area.

There are 3 **Event description format** types to choose from. Events will be displayed in FinishLynx as follows:

- **Detailed** format: *event time, event name, gender* (if more than one gender), *age group* (if more than one age group), *event title* (if a title is assigned), *group/heat number* (if they have been assigned).
- **Simple** format: *event name, gender* (if more than one gender), *age group* (if more than one age group), *group/heat number* (if they have been assigned).
- **Custom** format: allows you to choose your event format to be displayed within FinishLynx.

Exported participants
 Exclude DNS and SCR

Event description format
 Custom

Custom format
 :Date: :Time: - :EventName: :GenderOpt: (:AgeGroupOpt:) - :Stage: :GroupOpt:
 Default setting
↺

Age group | Age group opt. | Combined prefix opt. | Date | Event label opt. | Event name | Gender | Gender opt. | Group
 opt. | Stage | Time
 Clickable options

Example
 20221010 11:45 - 100m M (Senior) - Heat 1

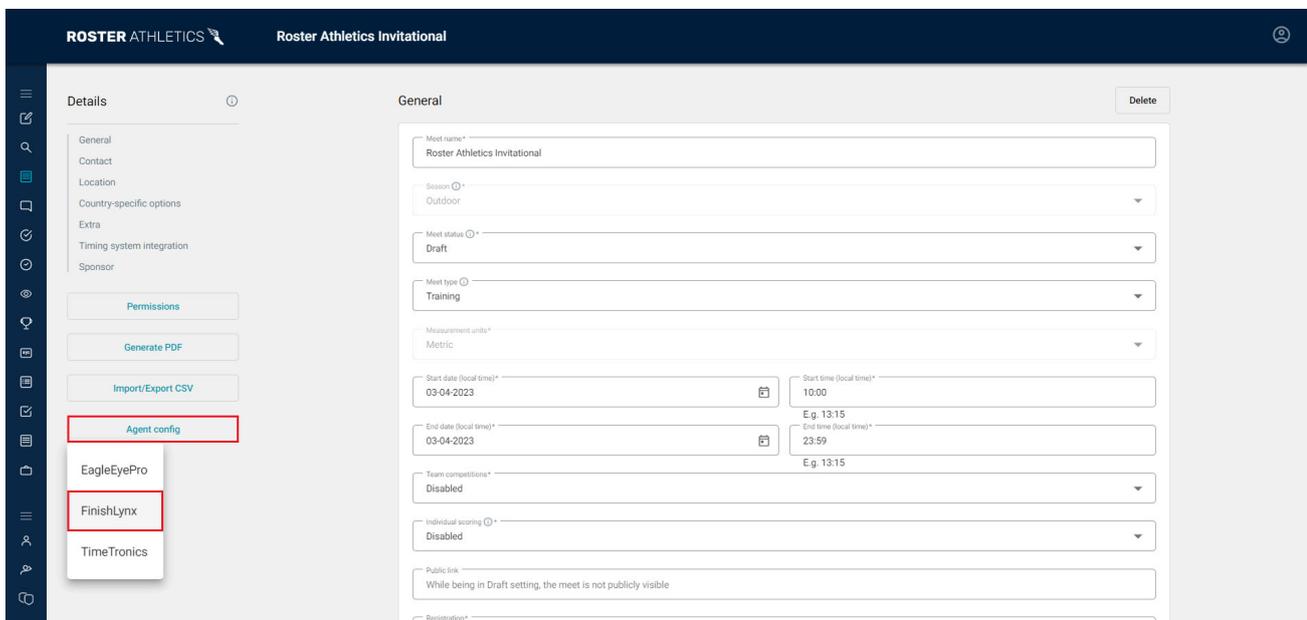
The **Custom format** field allows you to pick the event descriptors and order to be displayed. Click on the descriptors of your choice to add them to the field. Erase by simply deleting them. Please note that the field format requires colons around each descriptor, and a single space must separate the descriptors. Thus **:EventName: :Gender:** would display only the event names and gender for each event in FinishLynx. The options are as follows:

- **Age group:** always display the event age group
- **Age group opt.:** display the event age group if only there is more than one age group in the meet/meeting (Note: recommend to choose either Age group or Age group opt., but not both)
- **Combined prefix opt.:** display the combined parent event if a combined event is used
- **Date:** always display the event date in YYYYMMDD format
- **Event label opt.:** display the event title if one exists for the event
- **Event name:** always display the event name
- **Gender:** always display the event's gender
- **Gender opt.:** display the event gender only if there is more than one gender in the meet/meeting (Note: recommend choosing either Gender or Gender opt., but not both).
- **Group opt.:** display the group/heat number only if they are used for the event
- **Stage:** always display the event stage
- **Time:** always display the event time

If you need to reset the Custom setting, press the **Default** symbol to return to the initial set of recommended default parameters.

3. Now, you can load and integrate your meet/meeting data.

Open the relevant meet/meeting and go to **Details**. On the left-hand side, click the **Agent config** button and select **FinishLynx**.



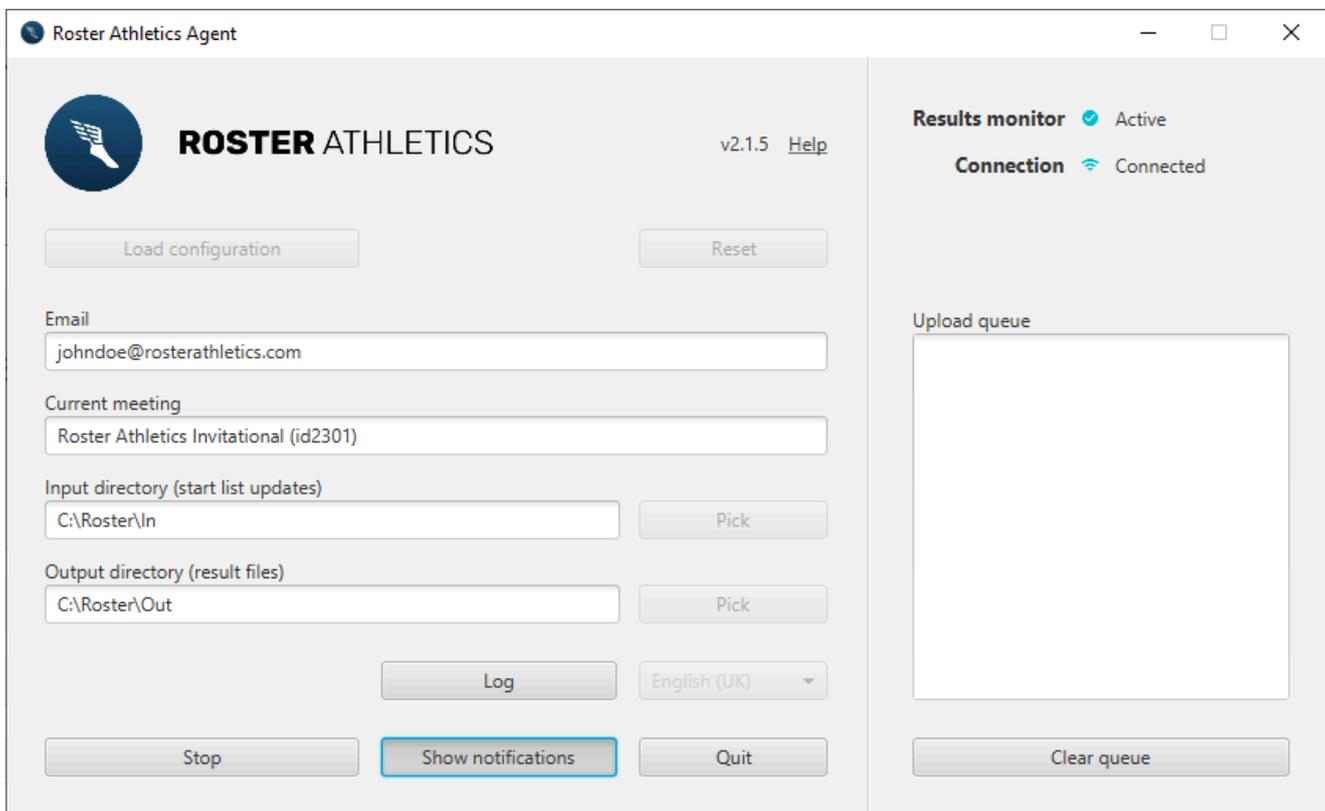
This will download an authentication .roster file for your specific meet/meeting that lets the RosterAgent know to use this meet/meeting to connect with Lynx. Save the file in a place where you can easily find it again.

Please note: You must use the **LAST** downloaded authentication file to load into the RosterAgent. Otherwise, the permissions will not match, and you cannot connect to your meet/meeting (“Can’t connect - permission denied”).

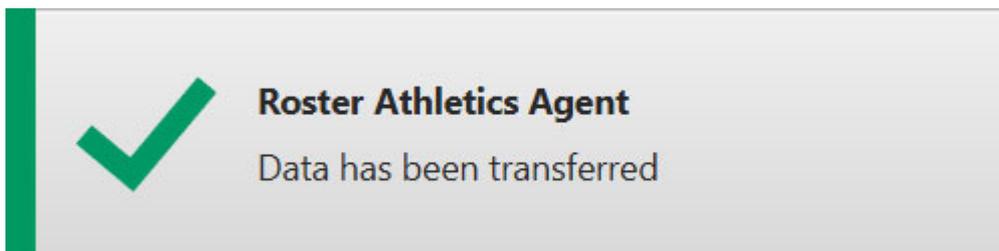
Once the authentication file is downloaded, go to **RosterAgent**. Click on **Load configuration** and select the latest .roster file (e.g., meeting-xxx-auth.roster) for this meet/meeting that you downloaded (as soon as you load the configuration, a ".roster" file will be saved. This file stores the directory information so you don't need to enter directory settings every time.).

Click **Start**. FinishLynx and Roster Athletics are connected if the **Result monitor** status is **Active**, and the **Connection** status is **Connected**.

Stop will stop the connection, and **Quit** will exit the program completely. To change a configuration file or input/output directories, the connection must be stopped (i.e. no active connection).



If you have **Show notifications** enabled by default, you will see status messages such as:



You can disable notifications by pressing the **Show notifications** button, which will appear as a lighter shade button.

When the Roster Agent is running, pay attention to the **Result monitor** and **Connection** statuses:

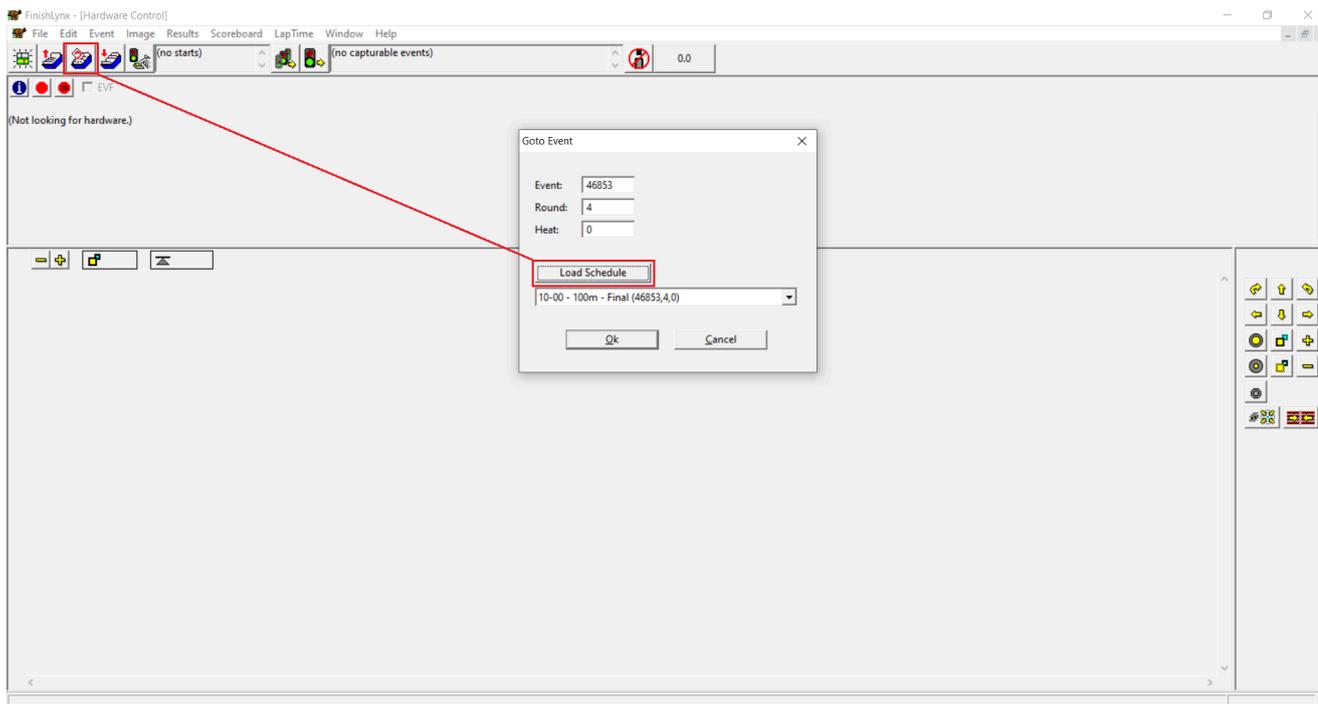
Result monitor:

- Active - normal operational mode
- Idle
- Initialising
- Stopping

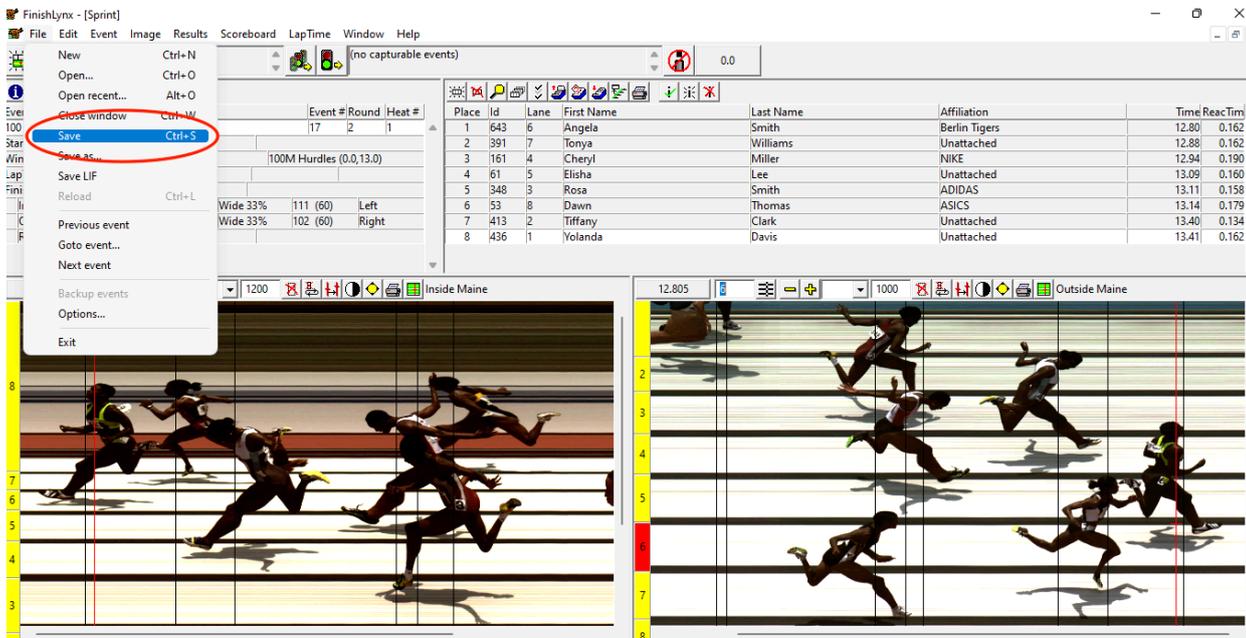
Connection:

- Connecting
- Connected - normal operational mode
- Disconnecting
- Disconnected
- Reconnecting - the agent will automatically attempt to reconnect
- Invalid - using the outdated configuration file: try to re-download and then reload the config file

Once you have prepared your start lists in Roster Athletics, go to FinishLynx. Click on the **Select event** icon, and when you see the dialogue, click on **Load Schedule**. When you have done so, click on the drop-down menu, select the event you want to time, and click **OK**.



Now the synchronization setup is complete, and a particular event's start lists are loaded into FinishLynx. FinishLynx is now ready to go, and the event can commence in the standard FinishLynx procedure. Once the event has finished and FinishLynx has the marked results, click on **File** → **Save**. You can go ahead and use the default event filename when saving. Note that **Save** will save the LIF and event files, including camera images. After saving, wait approximately 10 seconds or less while syncing the data to Roster Athletics.



Please note: if you choose to save files separately (instead of File → Save), the order of operation should be:

1. File → Save LIF
2. File → Save as... (event files saved into the folder or networked folder to be shared)

Now you can go back to Roster Athletics and see the times and rankings for the athletes updated from FinishLynx. The results are also immediately available in the Roster Athletics App.

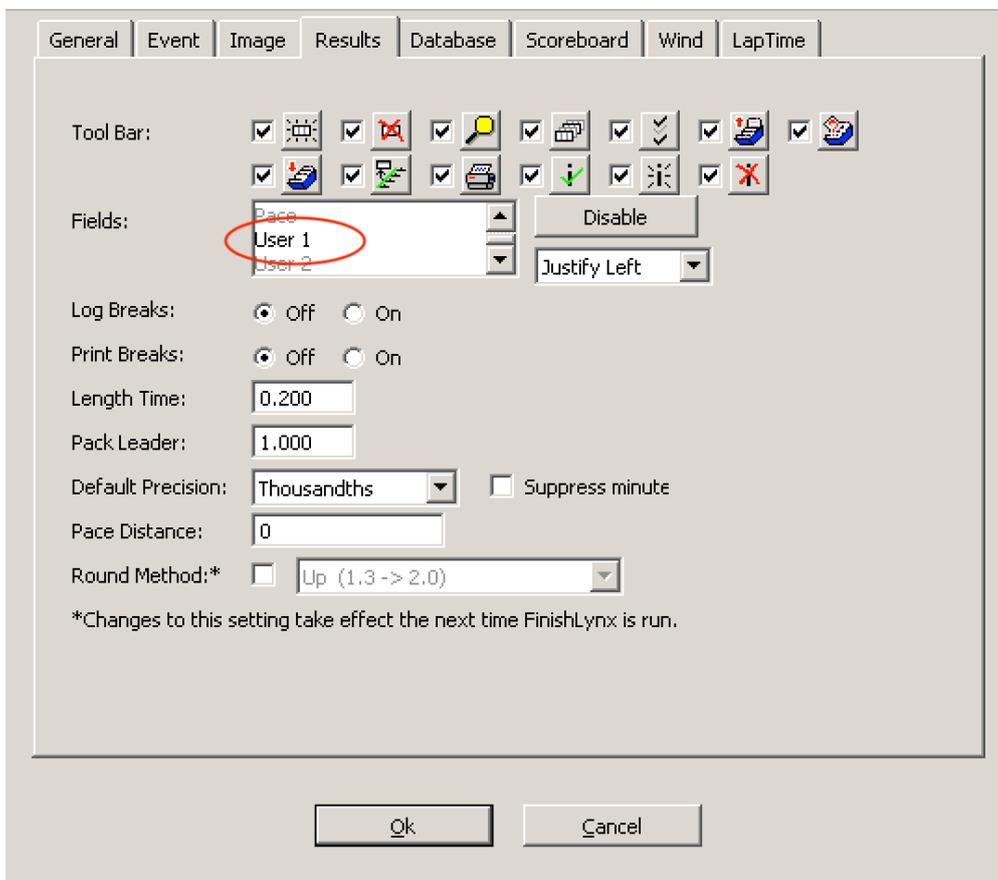
Important note: every time you update the start list in Roster Athletics, it is automatically pushed to the **Roster Athletics Agent**, but you still need to **Load Schedule** in FinishLynx to load these changes. Also, field events are not supported by the standard version of FinishLynx.

If you have a wind reading in FinishLynx, this information will be automatically transferred to Roster Athletics.

Place	Id	Lane	First Name	Last Name	Affiliation	License	Time	Delta Time	React Time	User 1
1	281971	1	Noah	Lyles			19.50		19.500	123
2	281973	3	Andre	de Grasse			19.91	0.410		345
3	281975	5	Alonso	Edward			19.99	0.080		567
4	281974	4	Aaron	Brown						158
DQ	281972	2	Ramil	Guliyev			20.02	0.030		234
DNS	281976	6	Christian	Coleman						678

BIB numbers: If you have added BIB numbers in Roster Athletics, you will find them under the field Id. If you have not added BIB numbers, the Id field in FinishLynx will have an automatically generated athlete ID.

OPTIONAL: If you want BIB numbers in a different field, you need to enable an additional field in FinishLynx as follows: (i) Select **User 1** under **File** → **Options...** → **Results**, (ii) select **User 1** under **Fields** and (iii) click **Enable**. You will now be able to transfer BIB numbers, as shown below.



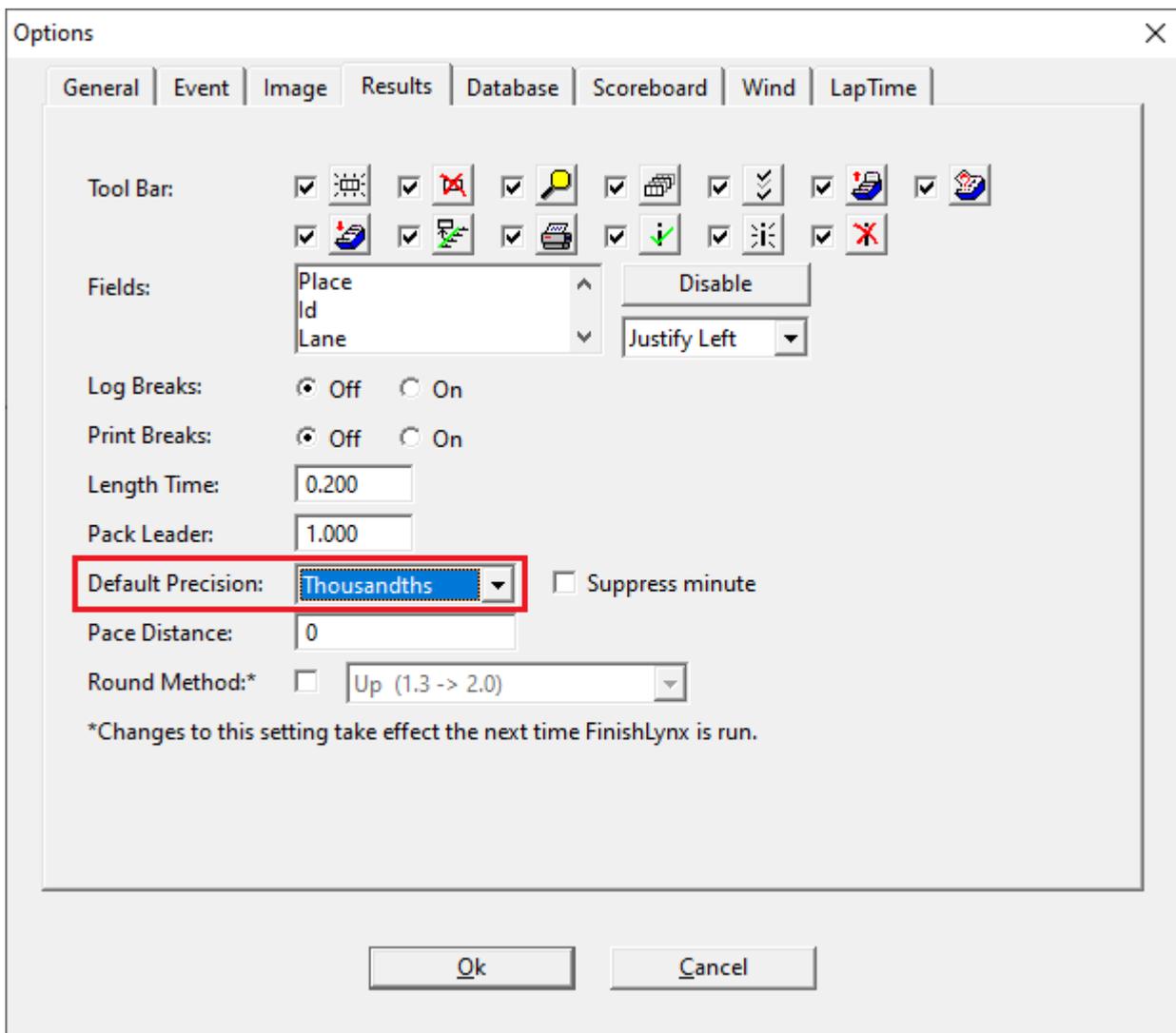
Reaction times: If enabled in FinishLynx, reaction times will be transferred back to Roster Athletics.

Competitor status: in FinishLynx, the status for each athlete can be set under Place → `right click` → Status. These status options translate to **Roster** in the following manner:

- Valid → **OK**
- Did Not Start → **DNS**
- False Start → **DQ** (+ selection of DQ rule)
- Did Not Finish → **DNF**
- Scratched → **DNS**
- Disqualified → **DQ** (+ selection of DQ rule)
- Advanced is not used since qualifying Q/q rules are set in the Roster Schedule, and qualification is handled entirely in Roster (either auto Q/q or manual q's)

DQ rules can be added in Roster but not directly from FinishLynx.

Precision: we recommend using **Thousandths** as results precision in FinishLynx. By setting to thousandths, all results will be sent to the Roster system with 1/1000 precision, allowing Roster to assign the correct places automatically. When setting to thousandths, the Roster app and .pdf results printouts will still show hundredths except for when there is a tie in the hundredths place, in which case the thousands place will be used to calculate place and shown accordingly, for example, when two athletes from two different heats have the same result. To set the default precision, click on **Results** → **Options...** → **Results** → **Default Precision**.



Troubleshooting Tips & Tricks

- Ensure you are running the latest version of the RosterAgent (please see the **[Download and install RosterAgent](https://support.rosterathletics.com/en/support/solutions/articles/44001951270)** (<https://support.rosterathletics.com/en/support/solutions/articles/44001951270>), for the latest version number).
- If a message of "Can't connect - permission denied" message pops up while trying to connect the RosterAgent, make you have loaded the latest version of the meet/meeting agent configuration file. This file is downloaded from meet/meeting **Details** → **Agent config**.
- If you are using shared folders and your connection status is good but either a.) your start lists in Roster are not updating to Lynx or b.) your saved results in Lynx are not being updated to Roster, make sure you carefully check your paths on both the RosterAgent and FinishLynx (File → Options → Database) to see that both the set of input and output directories are pointing to the **exact** same location and that the settings described above for set-up (File → Options → Database) are all followed precisely.
- The Roster Agent has the ability to queue up saved FinishLynx results if you lose connectivity (e.g. bad or very slow internet). If you lose the connection, the saved LIF files will be queued up and uploaded automatically once the reconnection has been detected and re-established by the Agent. The upload queue is visible in the RosterAgent and will normally be empty when there are no connection issues or cleared once any queued results are automatically uploaded.



ROSTER ATHLETICS

v2.0.5 [Help](#)

Load configuration

Reset

Email

johndoe@rosterathletics.com

Current meeting

Roster Athletics Invitational (id2301)

FinishLynx input directory (EVT files)

C:\Roster\In

Pick

FinishLynx output directory (LIF files)

C:\Roster\Out

Pick

Log

English (UK)

Stop

Show notifications

Quit

LIF monitor Active

Connection Reconnecting

Upload queue

C:\Roster\Out\10-00 - 100m - Final 2022-06

Clear queue

TimeTronics Argus integration

Modified on: Thu, 13 Jun, 2024 at 5:15 PM

This user guide describes how to seamlessly integrate the Roster Athletics platform with the TimeTronics Argus timing system.

This guide is divided into a few sections below:

- **[What do you need to do to set up the integration?](#)**
- **[Integration type](#)**
- **[Starting integration](#)**
- **[Troubleshooting Tips & Tricks](#)**

What do you need to do to set up the integration?

- You have already created the meeting/meet on the Roster Athletics platform.
- You have downloaded and installed the Roster/timing data transfer program named **Roster Athletics Agent** (you can download the program here: **[Download and install the RosterAgent](https://support.rosterathletics.com/en/support/solutions/articles/44001951270-download-the-rosteragent)** (<https://support.rosterathletics.com/en/support/solutions/articles/44001951270-download-the-rosteragent>)).
- You have a full license to use the TimeTronics Argus software (note that TimeTronics only works with Windows). You can download it here: **<https://www.timetronics.be/support>** (<https://www.timetronics.be/support>).

The RosterAgent program is a small program that allows communications between the Roster platform and TimeTronics so that they can stay in sync with each other during the competition for start lists upload from Roster to TimeTronics and results download and sync from TimeTronics to the Roster platform (and immediately in the app).

Now you should have everything ready to start the integration. Make sure you have the following three programs open:

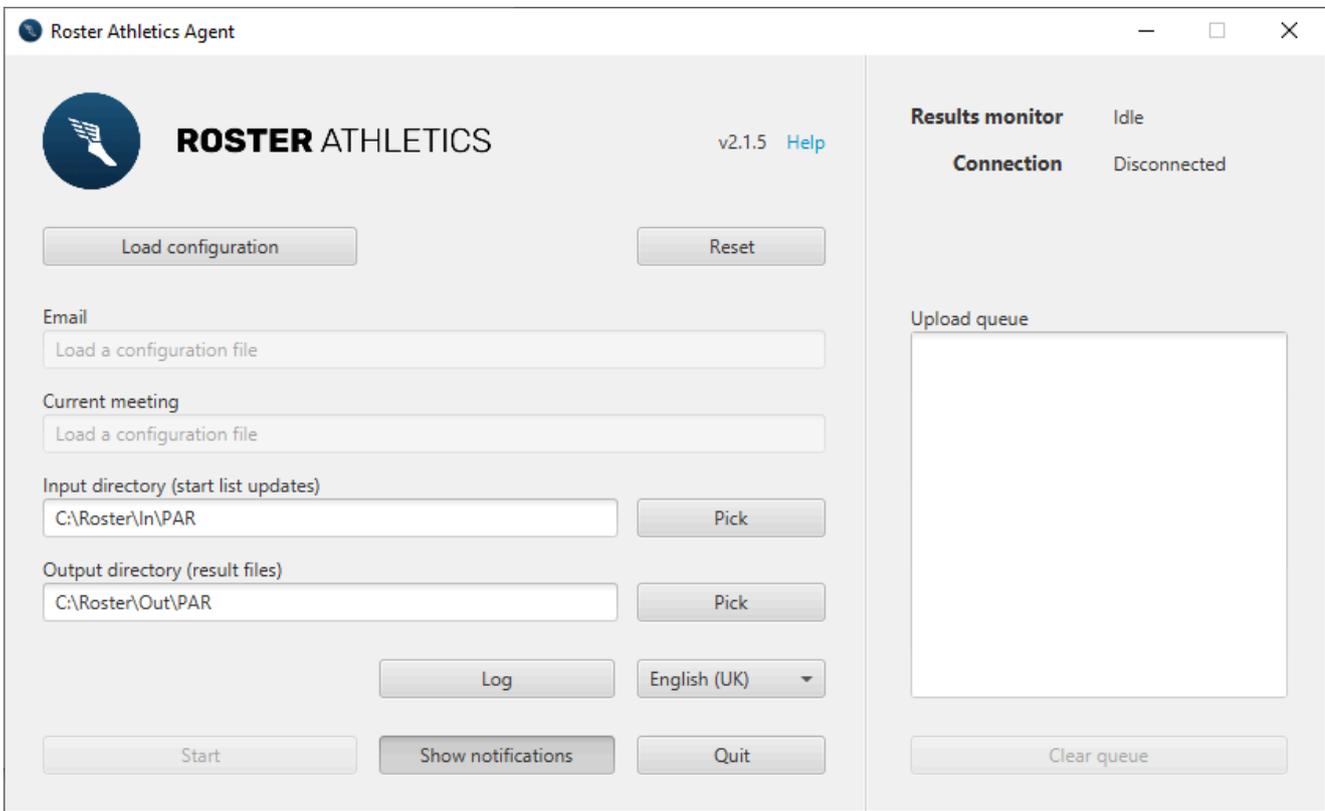
1. **Roster Athletics** in a browser
2. **TimeTronics Argus** running
3. **RosterAgent** running

Integration type

The **RosterAgent** shares information data between TimeTronics and Roster using shared **PAR files (start lists)** and **TXT files (results)**. It works if you are using the same computer or a shared file folder between computers (e.g. one computer running Roster/Roster Agent and another running TimeTronics).

To start integration, you must select the **Input directory (start list updates)** for PAR files and the **Output directory (result files)** for TXT files while using the PAR sub-directory name, and have them point to the same locations as the corresponding "parfilesdir" and resfilesdir" directory structure in the Argus **Sync** file.

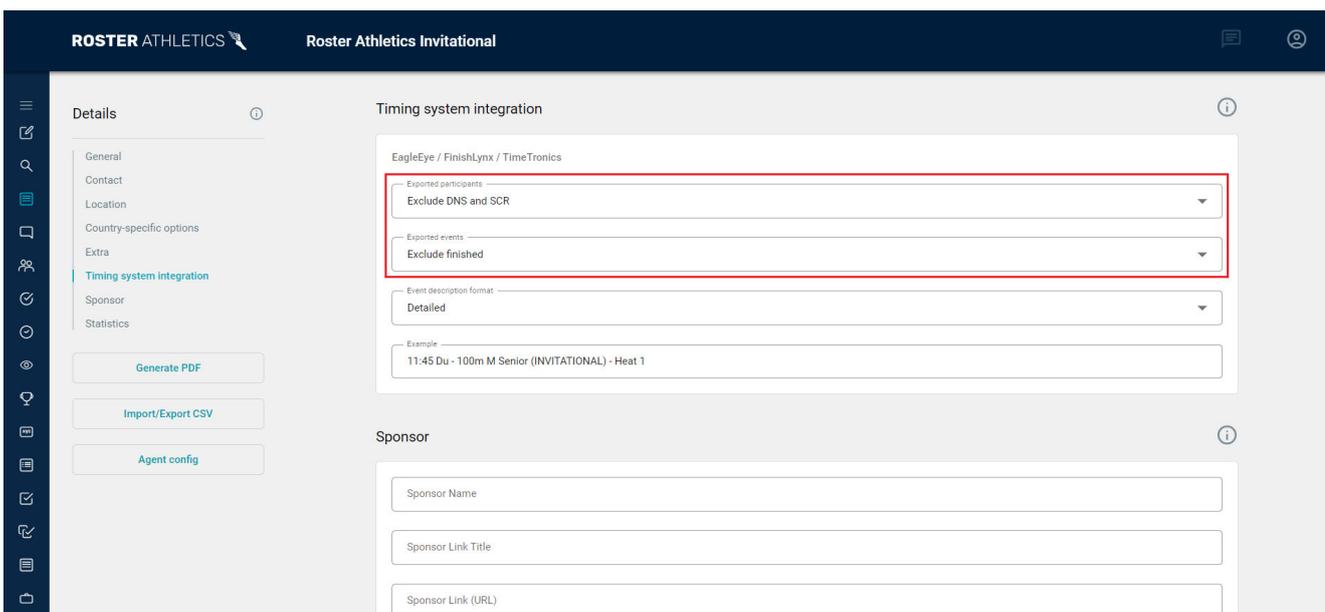
TIP: the **input** and **output directories** should be folders or sub-folders on a drive (e.g., C:), and you should avoid adding the folder directly to your desktop.



Starting integration

1. Choose participants you want to export from Roster Athletics to TimeTronics. You can find this setting on the meeting Details in the **Timing system integration** section.

You can export all participants or exclude participants with DNS and SCR statuses (e.g. when you already know before the competition that the athlete will not show up but do not want to remove him/her).



2. In the **Exported events** field, you can choose an option for the category of events you want to send to the Agent for timing. You can export all events or exclude finished events.

3. In the same section below, choose the format that will be used for PAR files.

Timing system integration



Exported participants
Exclude DNS and SCR

Event description format
Detailed

Example
11:45 Tri - 100m M Senior (INVITATIONAL) - Heat 1

There are 3 **Event description format** types to choose from. PAR files name will be displayed as follows:

- **Detailed** format: *event time, event name, gender* (if more than one gender), *age group* (if more than one age group), *event title* (if a title is assigned), *group/heat number* (if they have been assigned).
- **Simple** format: *event name, gender* (if more than one gender), *age group* (if more than one age group), *group/heat number* (if they have been assigned).
- **Custom** format: allows you to choose your file format.

Timing system integration



Exported participants
Exclude DNS and SCR

Event description format
Custom

Custom format
:Date: :Time: - :EventName: :GenderOpt: (:AgeGroupOpt:) - :Stage: :GroupOpt: Default setting ↻

Age group | Age group opt. | Combined prefix opt. | Date | Event label opt. | Event name | Gender | Gender opt. | Group
opt. | Stage | Time Clickable options

Example
20221010 11:45 - 100m M (Senior) - Heat 1

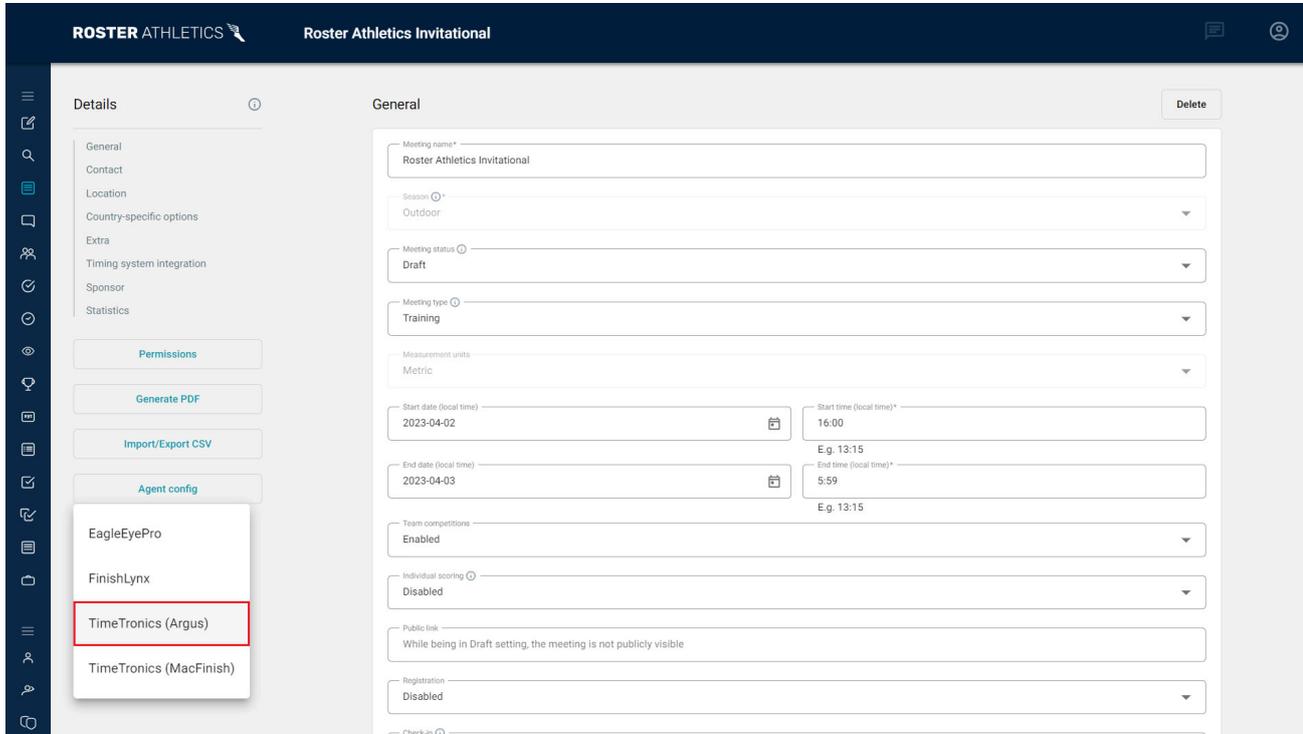
The **Custom format** field allows you to pick the file format. Click on the descriptors of your choice to add them to the field. Erase by simply deleting them. Please note that the field format requires colons around each descriptor, and a single space must separate the descriptors. Thus **:EventName: :Gender:** would display only the event names and gender for each event. The options are as follows:

- **Age group**: always display the event age group
- **Age group opt.:** display the event age group if only there is more than one age group in the meeting (Note: recommend choosing either Age group or Age group opt., but not both)
- **Combined prefix opt.:** display the combined parent event if a combined event is used
- **Date:** always display the event date in YYYYMMDD format
- **Event label opt.:** display the event title if one exists for the event
- **Event name:** always display the event name
- **Gender:** always display the event's gender
- **Gender opt.:** display the event gender only if only there is more than one gender in the meeting (Note: recommend choosing either Gender or Gender opt., but not both).
- **Group opt.:** display the group/heat number only if they are used for the event
- **Stage:** always display the event stage
- **Time:** always display the event time

If you need to reset the Custom setting, press the **Default** symbol to return to the initial set of recommended default parameters.

3. Now, you are ready to load and integrate your meeting/meet data.

Open the relevant meeting and go to **Details**. On the left-hand side, click the **Agent config** button and select **TimeTronics (Argus)**.



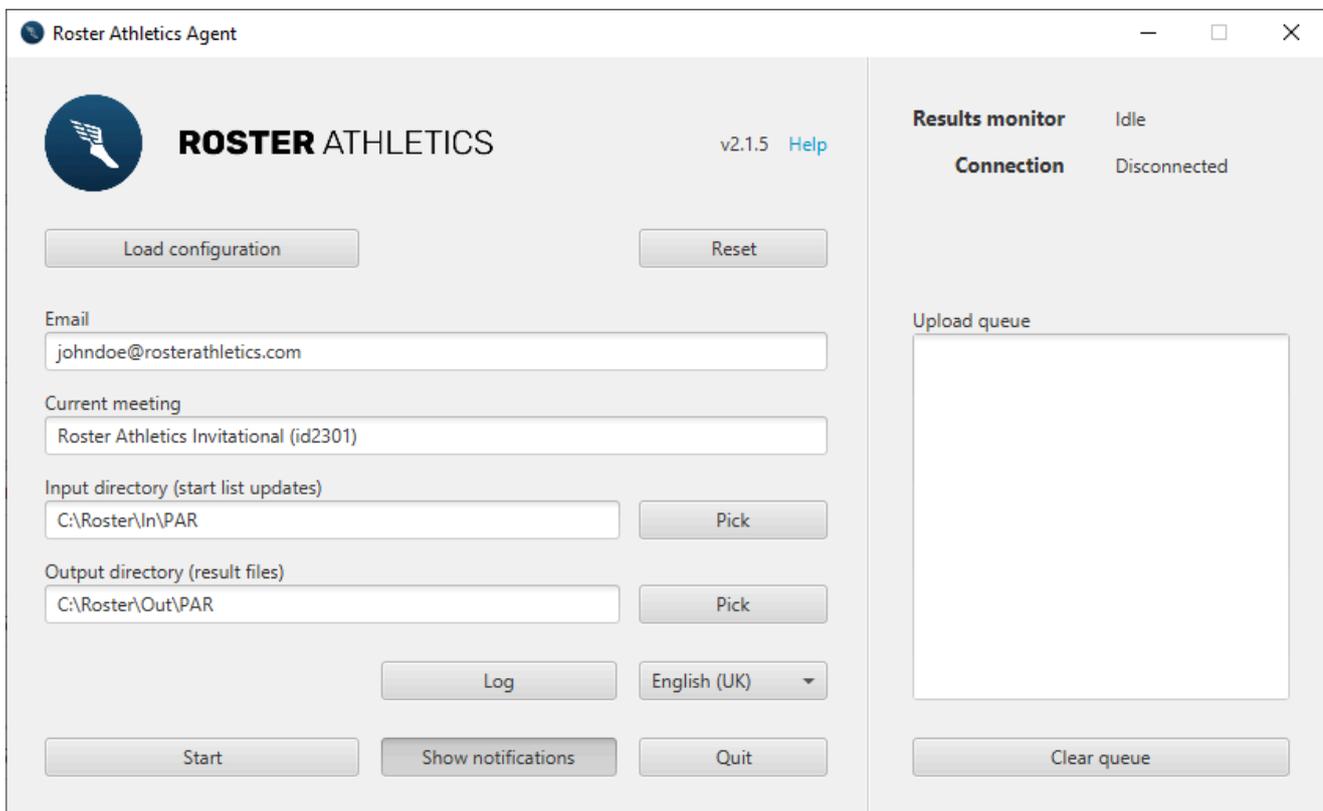
This will download an authentication .roster file for your specific meeting/meet that lets the RosterAgent know to use this meeting to connect with TimeTronics Argus. Save the file in a place where you can easily find it again.

Please note: It is critical that you use the **LAST** downloaded authentication file to load into the RosterAgent. Otherwise, the permissions will not match and you will not be able to connect to your meeting (“Can’t connect - permission denied”).

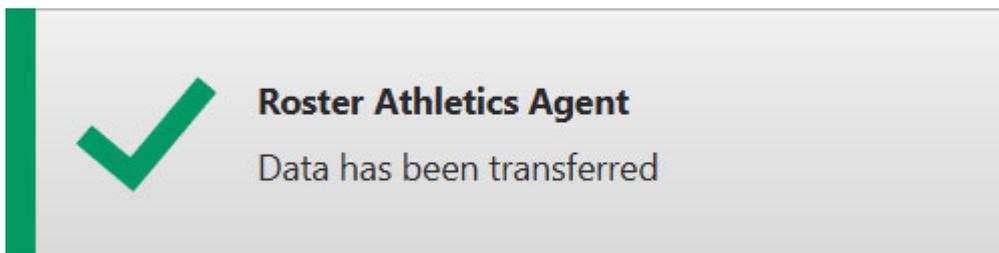
Once the authentication file is downloaded, go to the **RosterAgent**. Click on **Load configuration** and select the latest .roster file (e.g., meeting-xxx-auth.roster) for this meeting/meet that you downloaded (as soon as you load the configuration, a ".roster" file will be saved. This file stores the directory information so you don't need to enter directory settings every time.).

Click **Start**. TimeTronics Argus and Roster Athletics are connected if the **Result monitor** status is **Active** and the **Connection** status is **Connected**.

Note that **Stop** will stop the connection, and **Quit** will exit the program completely. To change a configuration file or to change input/output directories, the connection must be stopped (i.e. no active connection).



If you have **Show notifications** enabled by default, you will see status messages such as:



You can disable notifications by pressing the **Show notifications** button, which will then appear as a lighter shade button.

When the Roster Agent is running, pay attention to the **Result monitor** and **Connection** statuses:

Result monitor:

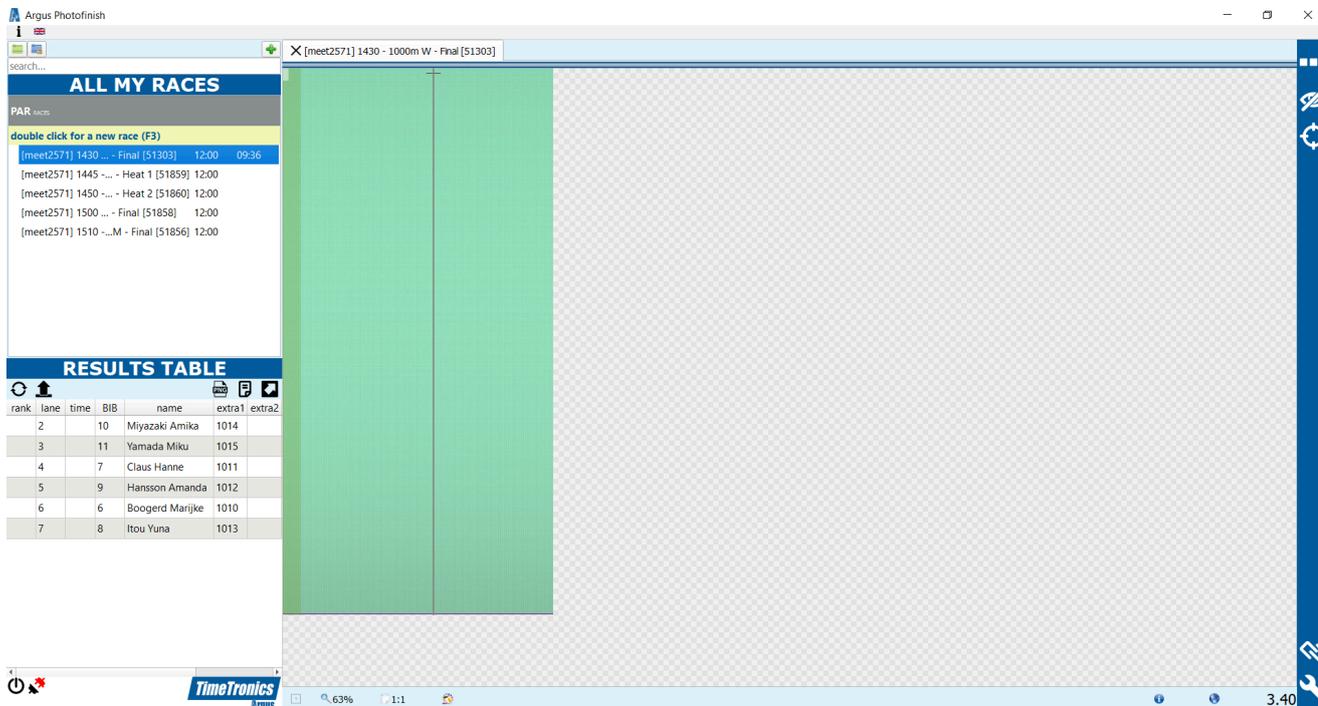
- Active - normal operational mode
- Idle
- Initialising
- Stopping

Connection:

- Connecting
- Connected - normal operational mode
- Disconnecting
- Disconnected
- Reconnecting - the agent will automatically attempt to reconnect
- Invalid - using the outdated configuration file: try to re-download and then reload the config file

Once you have prepared your start lists in Roster Athletics, go to TimeTronics Argus, select the desired PAR-file (.par) and continue in the standard TimeTronics procedure.

Each start list has a unique PAR-file. You can identify the correct file via the name, which has the following information: "meeting ID - event details with data that you can select in the Event description format - [event ID]" (e.g., **[meet1023] 1000 100m - Senior - Heat 1 [10012].par**).



When the start list for a particular event is loaded into TimeTronics Argus, you can start assigning times. Once the event has finished and TimeTronics has marked the results, click the **upload results** icon within the **Results Table** top icon bar. After saving, wait approximately 10 seconds or less while the data is synced to Roster Athletics.

You can now go back to Roster Athletics and see the times and rankings for the athletes that have been updated from TimeTronics. The results are also immediately available in the Roster Athletics App.

Important note: every time an update to the start list is made in Roster Athletics, it is automatically pushed to the **Roster Athletics Agent**, but you will still need to open the latest generated PAR-file in TimeTronics Argus to load these changes. Also please note that field events are not supported.

If a wind reading is available in TimeTronics, this information will be automatically transferred to Roster Athletics.

BIB numbers: If you have added BIB numbers in Roster Athletics, they will be under the field **BIB**. This field may also include a lane in parentheses if assigned.

Competitor status: in TimeTronics Argus, the status for each athlete can be set under **Rank** or **Time** → `click CTRL` + select the Status. These status options translate to **Roster** in the following manner:

- A time is added, and no status → **OK + result**
- did not start (DNS) → **DNS**
- did not finish (DNF) → **DNF**
- disqualified (DQ) → **DQ** (+ selection of DQ rule)

DQ rules can be added in Roster but not directly from TimeTronics.

Troubleshooting Tips & Tricks

- Make sure you are running the latest version of the RosterAgent (please see the **Download and install RosterAgent** (<https://support.rosterathletics.com/en/support/solutions/articles/44001951270>), for the latest version number).
- If a message of "Can't connect - permission denied" message pops up while trying to connect the RosterAgent, make you have loaded the latest version of the meeting/meet agent configuration file. This file is downloaded from meeting **Details** → **Agent config**.
- The Roster Agent has the ability to queue up saved TimeTronics results if you lose connectivity (e.g. bad or very slow internet). If you lose the connection, the saved TXT files will be queued up and uploaded automatically once the reconnection has been detected and re-established by the Agent. The upload queue is visible in the RosterAgent and will normally be empty when there are no connection issues or cleared once any queued results are automatically uploaded.

TimeTronics MacFinish integration

Modified on: Thu, 13 Jun, 2024 at 5:13 PM

This user guide describes how to seamlessly integrate the Roster Athletics platform with the TimeTronics MacFinish timing system.

This guide is divided into a few sections below:

- **[What do you need to do to set up the integration?](#)**
- **[Integration type](#)**
- **[Starting integration](#)**
- **[Troubleshooting Tips & Tricks](#)**

What do you need to do to set up the integration?

- You have already created the meeting/meet on the Roster Athletics platform.
- You have downloaded and installed the Roster/timing data transfer program named **Roster Athletics Agent** (you can download the program here: **[Download and install the RosterAgent](#)** (<https://support.rosterathletics.com/en/support/solutions/articles/44001951270-download-the-rosteragent>)).
- You have a full license to use the TimeTronics MacFinish software (note that TimeTronics only works with Windows). You can download it here: **<https://www.timetronics.be/support>** (<https://www.timetronics.be/support>).

The RosterAgent program is a small program that allows communications between the Roster platform and TimeTronics so that they can stay in sync with each other during the competition for start lists upload from Roster to TimeTronics and results download and sync from TimeTronics to the Roster platform (and immediately in the app).

Now you should have everything ready to start the integration. Make sure you have the following three programs open:

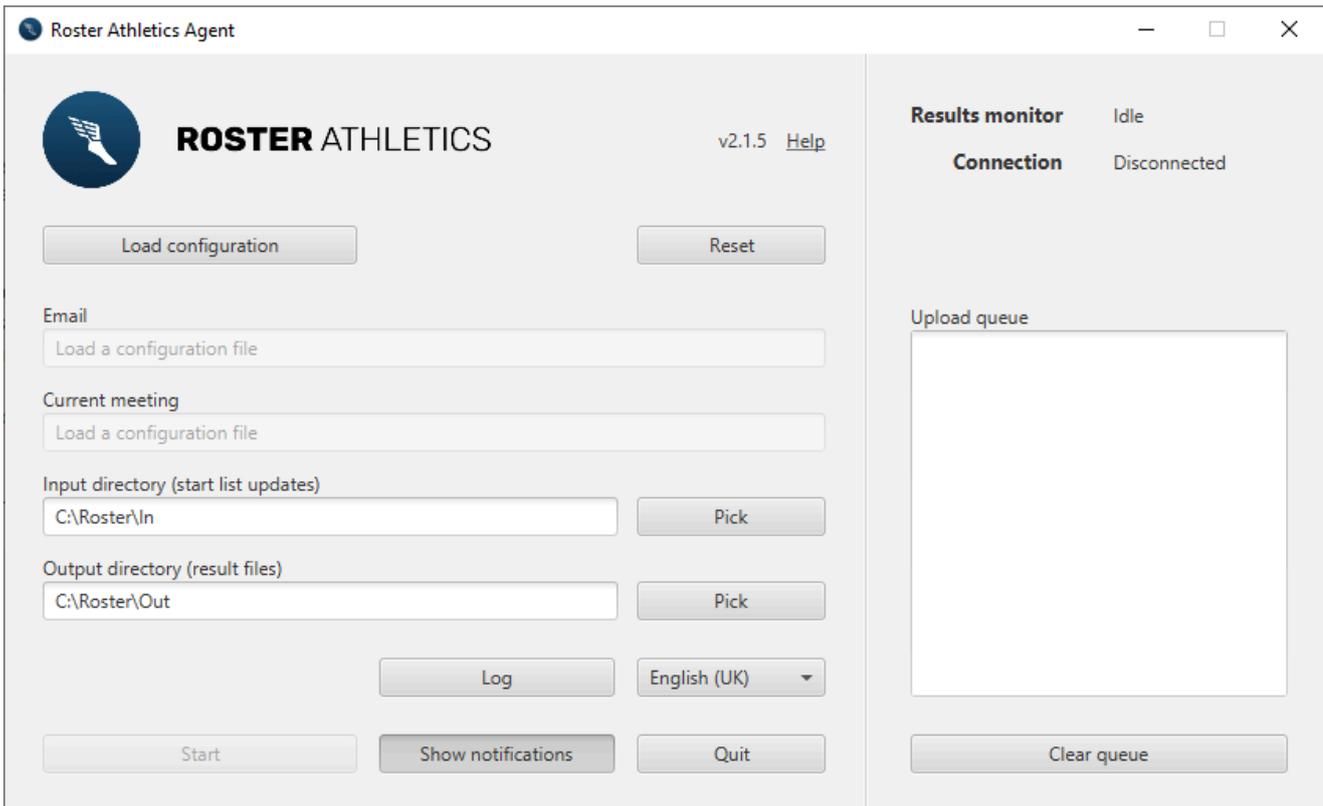
1. **Roster Athletics** in a browser
2. **TimeTronics MacFinish** running
3. **RosterAgent** running

Integration type

The **RosterAgent** shares information data between TimeTronics and Roster using shared **PAR files (start lists)** and **TXT files (results)**. It works if you are using the same computer or a shared file folder between computers (e.g. one computer running Roster/Roster Agent and another running TimeTronics).

To start integration, you must select the **Input directory (start list updates)** for PAR files and the **Output directory (result files)** for TXT files.

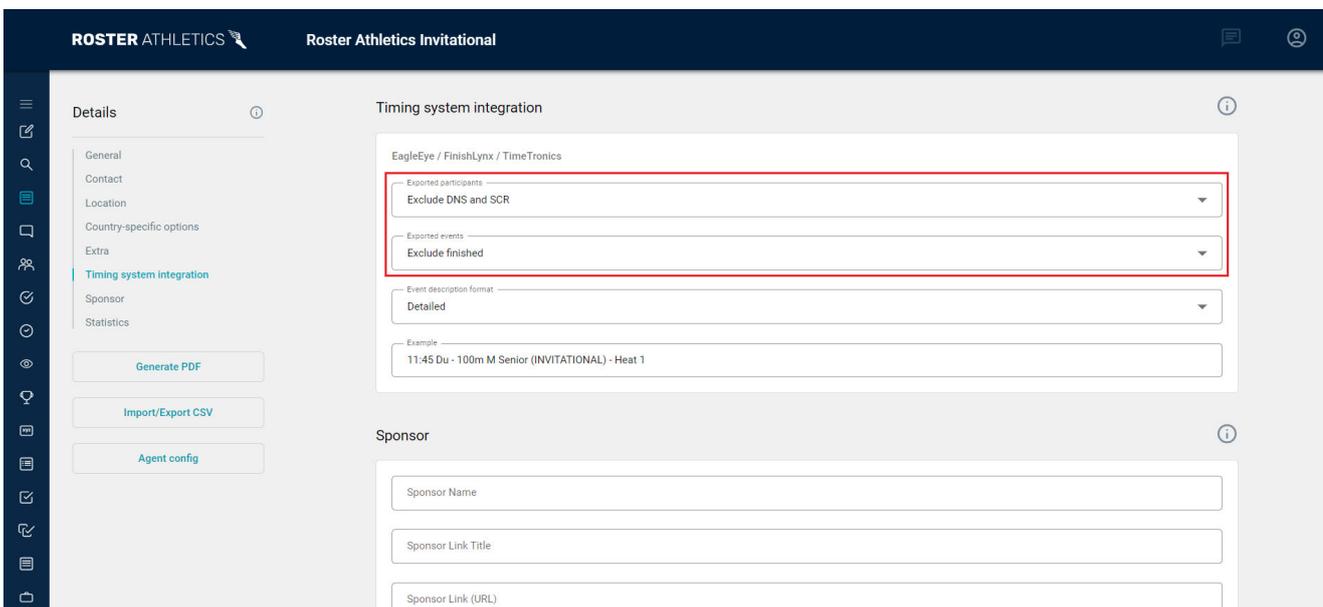
TIP: the **input** and **output directories** should be folders or sub-folders on a drive (e.g., C:), and you should avoid adding the folder directly to your desktop.



Starting integration

1. Choose participants you want to export from Roster Athletics to TimeTronics. You can find this setting on the meeting Details in the **Timing system integration** section.

You can export all participants or exclude participants with DNS and SCR statuses (e.g. when you already know before the competition that the athlete will not show up but do not want to remove him/her).



2. In the **Exported events** field, you can choose an option for the category of events you want to send to the Agent for timing. You can export all events or exclude finished events.

3. In the same section below, choose the format that will be used for PAR files.

Timing system integration (i)

Exported participants
Exclude DNS and SCR

Event description format
Detailed

Example
11:45 Tri - 100m M Senior (INVITATIONAL) - Heat 1

There are 3 **Event description format** types to choose from. PAR files name will be displayed as follows:

- **Detailed** format: *event time, event name, gender* (if more than one gender), *age group* (if more than one age group), *event title* (if a title is assigned), *group/heat number* (if they have been assigned).
- **Simple** format: *event name, gender* (if more than one gender), *age group* (if more than one age group), *group/heat number* (if they have been assigned).
- **Custom** format: allows you to choose your file format.

Timing system integration (i)

Exported participants
Exclude DNS and SCR

Event description format
Custom

Custom format
:Date: :Time: - :EventName: :GenderOpt: (:AgeGroupOpt:) - :Stage: :GroupOpt: Default setting ↻

Age group | Age group opt. | Combined prefix opt. | Date | Event label opt. | Event name | Gender | Gender opt. | Group opt. | Stage | Time Clickable options

Example
20221010 11:45 - 100m M (Senior) - Heat 1

The **Custom format** field allows you to pick the file format. Click on the descriptors of your choice to add them to the field. Erase by simply deleting them. Please note that the field format requires colons around each descriptor, and a single space must separate the descriptors. Thus **:EventName: :Gender:** would display only the event names and gender for each event. The options are as follows:

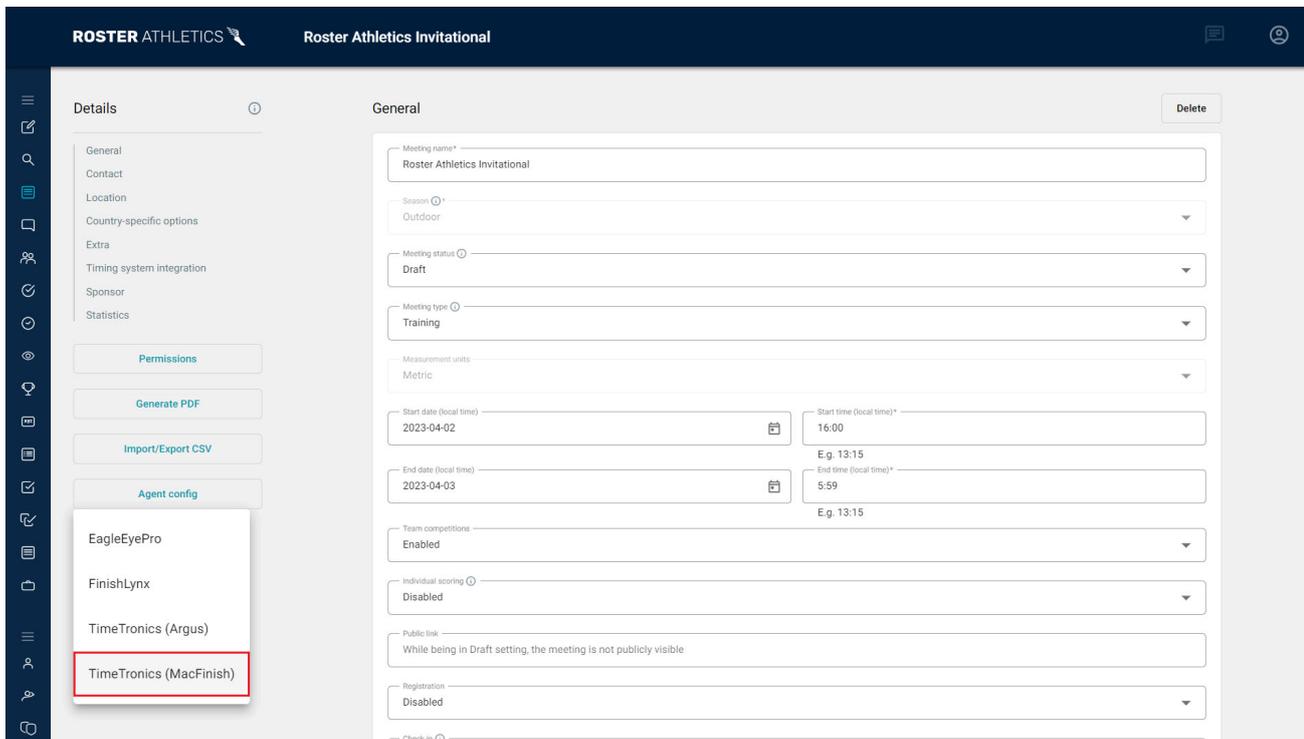
- **Age group:** always display the event age group
- **Age group opt.:** display the event age group if only there is more than one age group in the meeting (Note: recommend choosing either Age group or Age group opt., but not both)
- **Combined prefix opt.:** display the combined parent event if a combined event is used
- **Date:** always display the event date in YYYYMMDD format
- **Event label opt.:** display the event title if one exists for the event
- **Event name:** always display the event name
- **Gender:** always display the event's gender
- **Gender opt.:** display the event gender only if only there is more than one gender in the meeting (Note: recommend choosing either Gender or Gender opt., but not both).
- **Group opt.:** display the group/heat number only if they are used for the event
- **Stage:** always display the event stage

- **Time:** always display the event time

If you need to reset the Custom setting, press the **Default** symbol to return to the initial set of recommended default parameters.

3. Now, you are ready to load and integrate your meeting/meet data.

Open the relevant meeting and go to **Details**. On the left-hand side, click the **Agent config** button and select **TimeTronics (MacFinish)**.



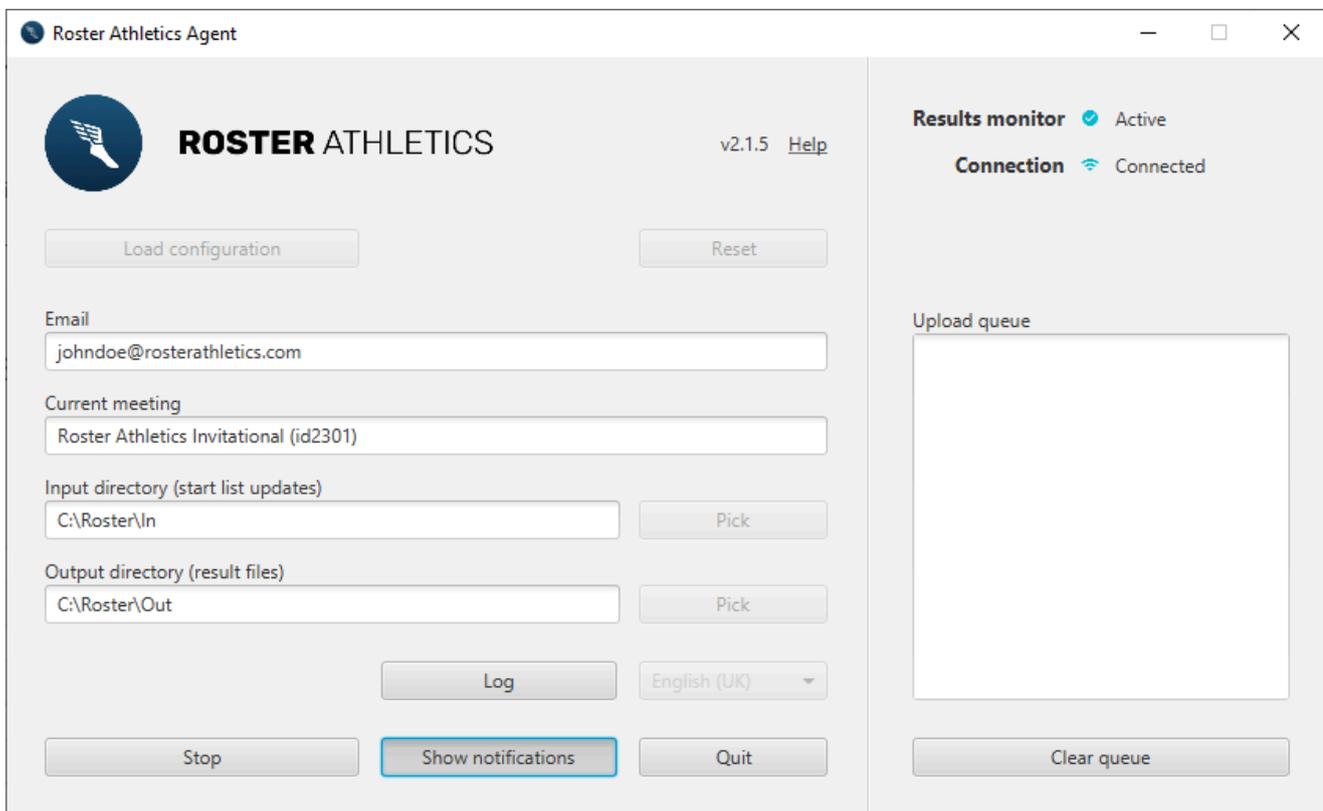
This will download an authentication .roster file for your specific meeting/meet that lets the RosterAgent know to use this meeting to connect with TimeTronics MacFinish. Save the file in a place where you can easily find it again.

Please note: You must use the **LAST** downloaded authentication file to load into the RosterAgent. Otherwise, the permissions will not match, and you cannot connect to your meeting (“Can’t connect - permission denied”).

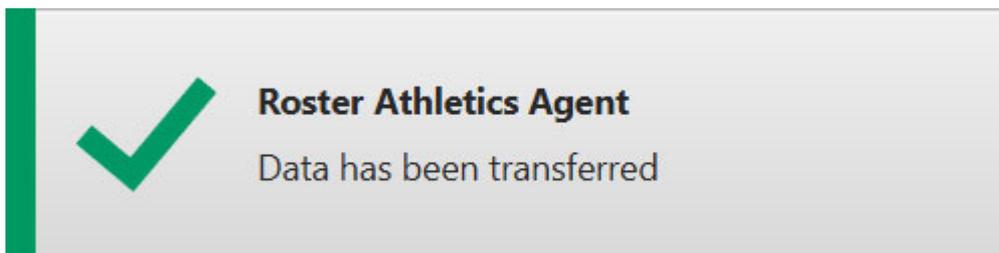
Once the authentication file is downloaded, go to the **RosterAgent**. Click on **Load configuration** and select the latest .roster file (e.g., meeting-xxx-auth.roster) for this meeting/meet that you downloaded (as soon as you load the configuration, a ".roster" file will be saved. This file stores the directory information so you don't need to enter directory settings every time.).

Click **Start**. TimeTronics MacFinish and Roster Athletics are connected if the **Result monitor** status is **Active** and the **Connection** status is **Connected**.

Stop will stop the connection, and **Quit** will exit the program completely. To change a configuration file or input/output directories, the connection must be stopped (i.e. no active connection).



If you have **Show notifications** enabled by default, you will see status messages such as:



You can disable notifications by pressing the **Show notifications** button, which will then appear as a lighter shade button.

When the Roster Agent is running, pay attention to the **Result monitor** and **Connection** statuses:

Result monitor:

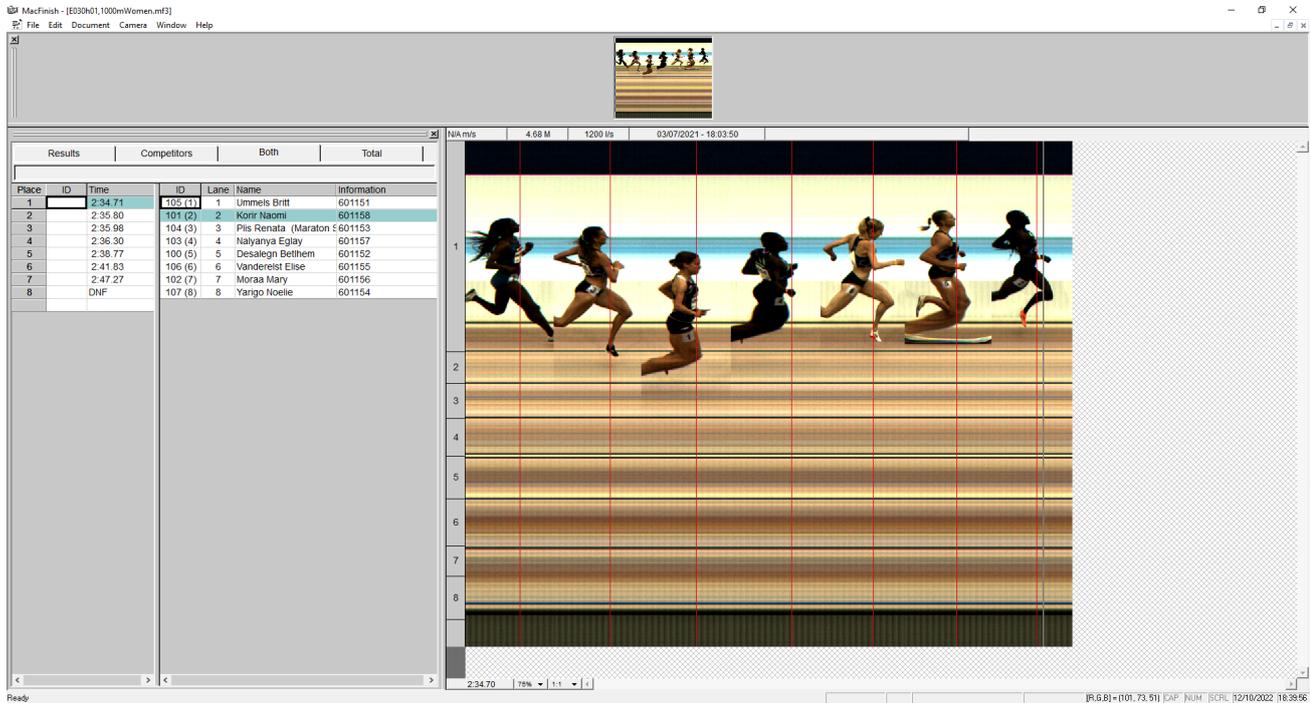
- Active - normal operational mode
- Idle
- Initialising
- Stopping

Connection:

- Connecting
- Connected - normal operational mode
- Disconnecting
- Disconnected
- Reconnecting - the agent will automatically attempt to reconnect
- Invalid - using the outdated configuration file: try to re-download and then reload the config file

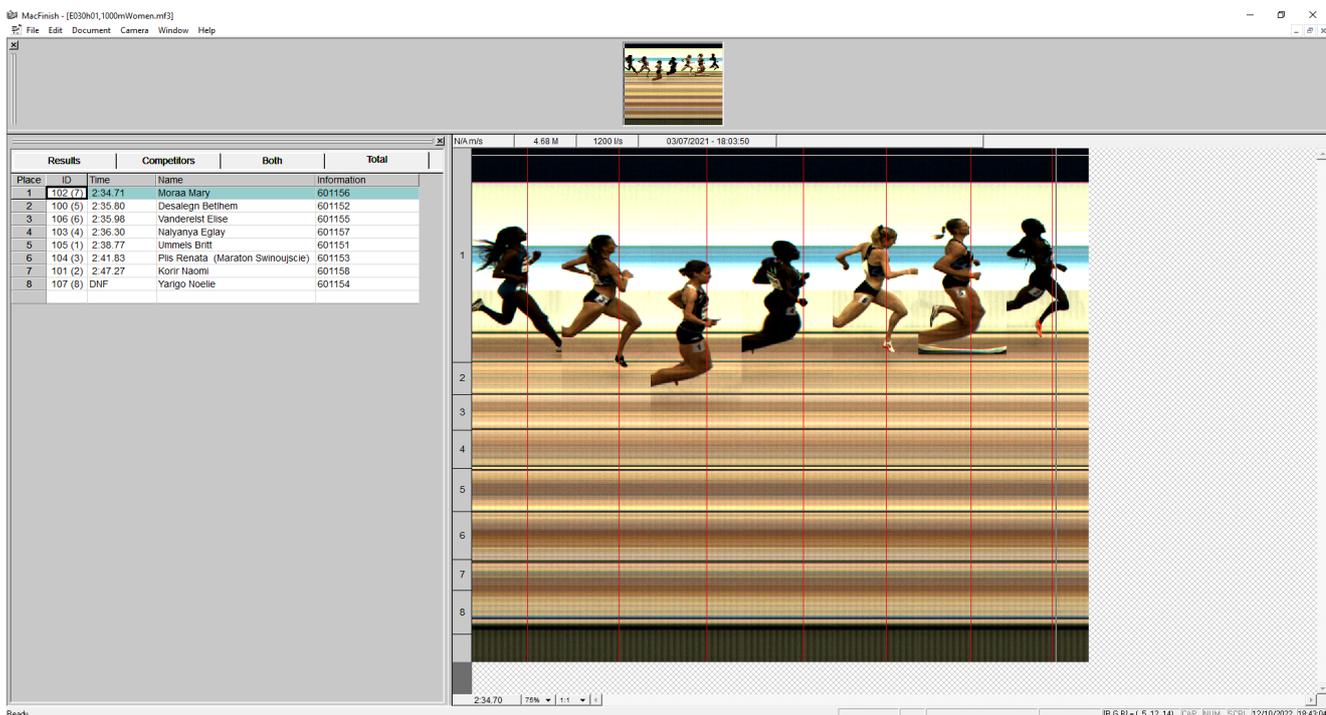
Once you have prepared your start lists in Roster Athletics, go to TimeTronics MacFinish. Click on **Document** in the menu, and select **Import Competitors from File...**

Select the desired PAR-file (.par). Each start list has a unique PAR-file. You can identify the correct file via the name, which has the following information: "meeting ID - event details with data that you can select in the Event description format - [event ID]" (e.g., **[meet1023] 1000 100m - Senior - Heat 1 [10012].par**).



The **ID** column in TimeTronics MacFinish will contain information about the bib number and lane/order.

Now the start lists for a particular event are loaded into TimeTronics MacFinish. TimeTronics is now ready to go, and the event can commence in the standard TimeTronics procedure. Once the event has finished and TimeTronics has marked the results, click on **Document** → **Export Results to File....** You can go ahead and use the default event filename when saving. After saving, wait approximately 10 seconds or less while the data is synced to Roster Athletics.



You can now go back to Roster Athletics and see the times and rankings for the athletes that have been updated from TimeTronics. The results are also immediately available in the Roster Athletics App.

Important note: every time an update to the start list is made in Roster Athletics, it is automatically pushed to the **Roster Athletics Agent**, but you will still need to open the latest generated PAR-file in TimeTronics MacFinish to load these changes. Also please note that field events are not supported.

If a wind reading is available in TimeTronics, this information will be automatically transferred to Roster Athletics.

BIB-numbers: If you have added BIB-numbers in Roster Athletics, they will be under the field **Information**.

Competitor status: in TimeTronics MacFinish, the status for each athlete can be set under **Time** → `click CTRL` + click with the mouse → Status. These status options translate to **Roster** in the following manner:

- A time is added and no status → **OK + result**
- DNF → **DNF**
- DNS → **DNS**
- DIS → **DQ** (+ selection of DQ rule)
- NR → **OK + place, but no result**

DQ rules can be added in Roster but not directly from TimeTronics.

Precision: we recommend using **Thousandths** as results precision in TimeTronics. By setting to thousandths, all results will be sent to the Roster system with 1/1000 precision, which then allows Roster to assign the correct places automatically. When setting to thousandths, the Roster app and .pdf results printouts will still show hundredths except for when there is a tie in the hundredths place, in which case the thousands place will be used to calculate place and shown accordingly, for example, when two athletes from two different heats have the same result. To set the default precision in TimeTronics MacFinish click on **File** → **Preferences...** → **General** and mark **Precision Linked**.

Troubleshooting Tips & Tricks

- Make sure you are running the latest version of the RosterAgent (please see the **[Download and install RosterAgent](https://support.rosterathletics.com/en/support/solutions/articles/44001951270)** (<https://support.rosterathletics.com/en/support/solutions/articles/44001951270>), for the latest version number).
- If a message of "Can't connect - permission denied" message pops up while trying to connect the RosterAgent, make you have loaded the latest version of the meeting/meet agent configuration file. This file is downloaded from meeting **Details** → **Agent config**.
- The Roster Agent has the ability to queue up saved TimeTronics results if you lose connectivity (e.g. bad or very slow internet). If you lose the connection, the saved TXT files will be queued up and uploaded automatically once the reconnection has been detected and re-established by the Agent. The upload queue is visible in the RosterAgent and will normally be empty when there are no connection issues or cleared once any queued results are automatically uploaded.

RACE RESULT integration

Modified on: Thu, 2 Jan, 2025 at 8:04 AM

This user guide describes how you can use the seamless integration between the Roster Athletics platform and RACE RESULT timing system.

The guide is divided into the following sections:

- **What do you need to get started?**
- **Setup in RACE RESULT**
 - **Timing point setup**
 - **Connecting to hardware**
 - **Exporters**
- **Setup in Roster Athletics**
 - **Link your Roster Athletics competition to RACE RESULTS**
 - **Timing points**
 - **Splits**
 - **Start time**
 - **Ranking and displaying results**
- **Chip readings**

RACE RESULT with Roster Athletics Chip Timing Integration Overview



What do you need to get started?

- A meet/meeting that you created on the Roster Athletics platform, from which start lists will be generated and athlete results displayed.
- RACE RESULT hardware, including a decoder box and an antenna (for passive or active transponders).
- Passive transponders (BIB numbers) or active transponders.

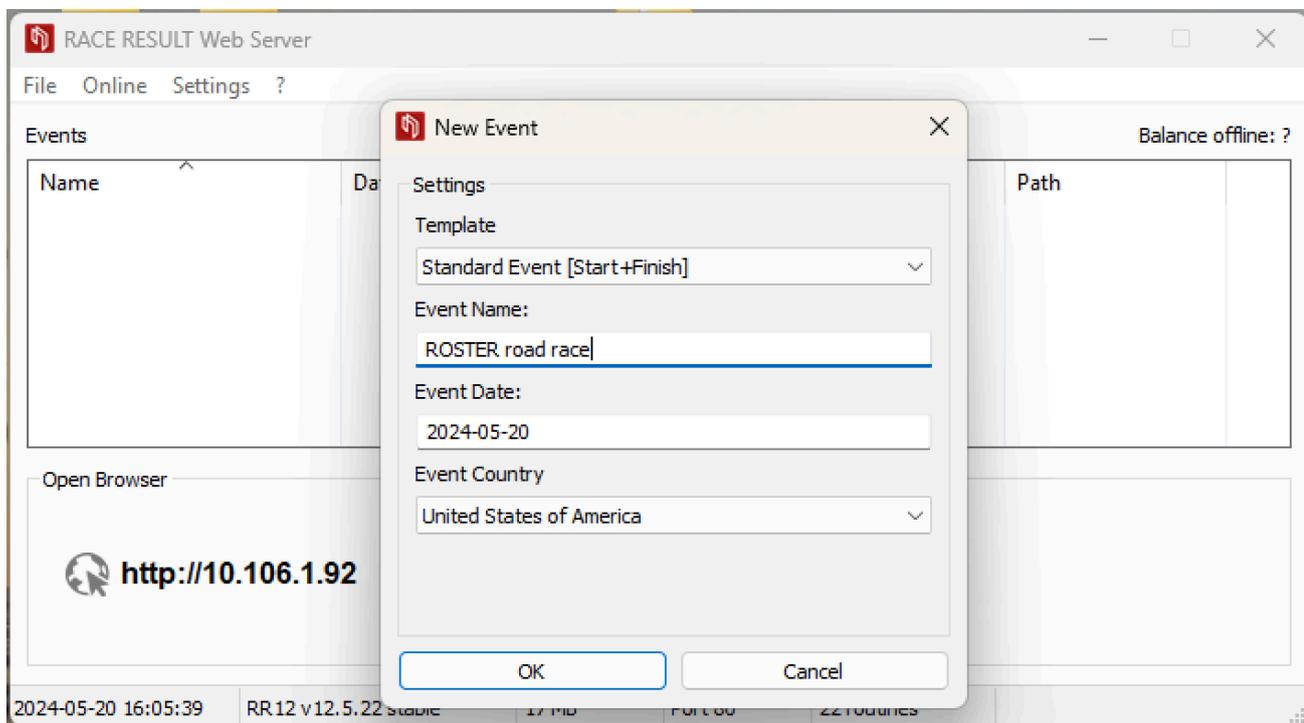
- RACE RESULT software
 - You will need to download the latest version of RACE RESULT from their website (as of May 2024, the latest version is RACE RESULT 12). You should keep the software updated regularly, as updates will provide new features, enhancements and fixes.

Setup in RACE RESULT

For more details, please see RACE RESULT's full **quick start guide** (<https://www.raceresult.com/en-us/support/kb.php?id=8446-Quick-Start-Guide>).

First, you need to set up an event in RACE RESULT. Open **RACE RESULT** → **File** → **New event**.

Note: add a name for your event.



Save the file to a folder, then double-click it to open the event in a browser tab once the event is created.

Events Balance offline: 0

Name	Date	Online	Forwarding	Filename	Path
ROSTER road race	2024-05-20	-	-	ROSTER road race.ses	C:\Users\mail\One...

Open Browser

<http://10.106.1.92> **Open Event**

2024-05-20 16:05:59 | RR.12 v12.5.22 stable | 21 MB | Port 80 | 21 routines

Please note that Roster Athletics will handle start lists and results display, much like existing users are used to today:

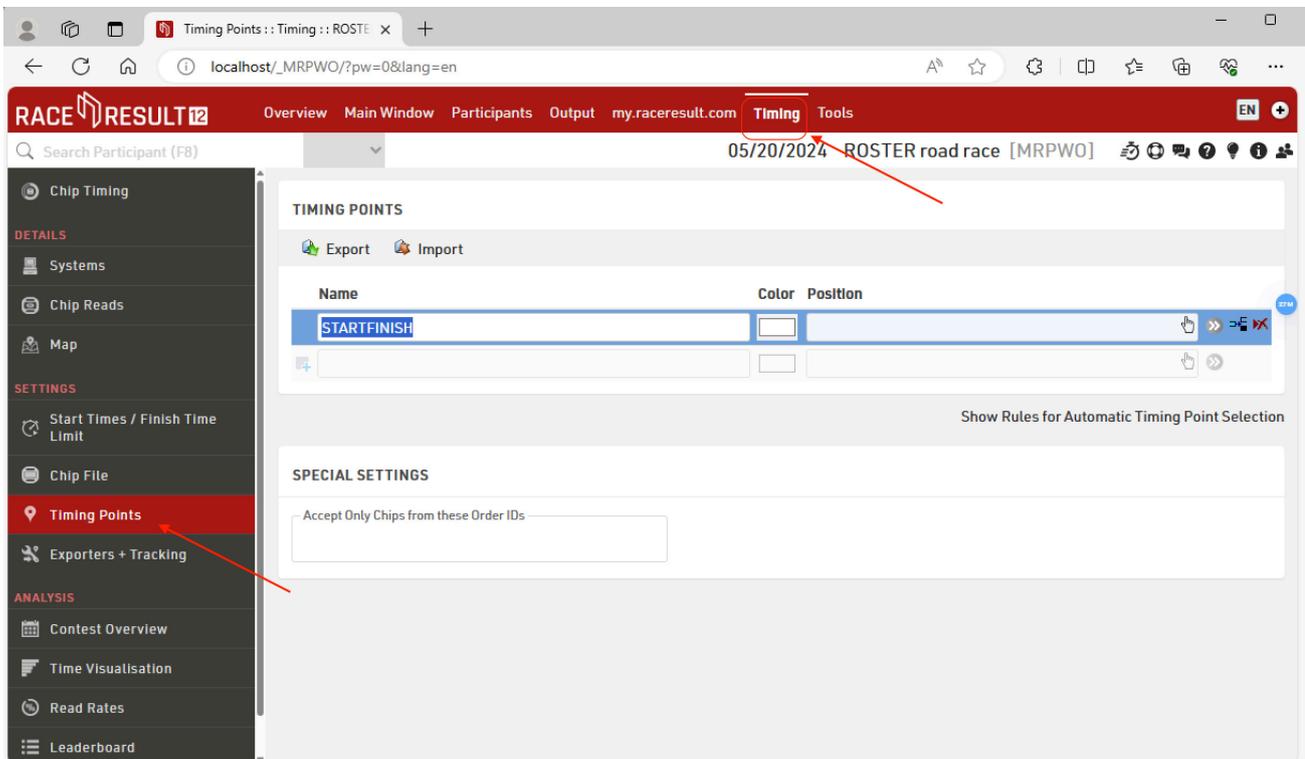
- **Start lists:** You DO NOT need to add a start list in RACE RESULT with participant names, since all results will be shown in Roster Athletics without a start list uploaded to RACE RESULT. If you choose to run a result service in RACE RESULT as a backup, you can download the compatible start list from Roster Athletics to import into RACE RESULT. To do this in Roster Athletics, go to **Details** → **Import/Export** → **Export Race Result start lists**. This file can then be uploaded into RACE RESULT (see [how to do that \(https://www.raceresult.com/en-us/support/kb.php?id=1115-Import-Participants\)](https://www.raceresult.com/en-us/support/kb.php?id=1115-Import-Participants)).
- You do not need to change settings for contests, participants, etc., except as listed below.

Once you are ready with your Event in RACE RESULT, you must configure the following three items:

1. Timing point setup
2. Connection to hardware (decoder box)
3. Exporters

Timing point setup

You can find the **Timing Points** on the left side of the **Timing tab** heading.

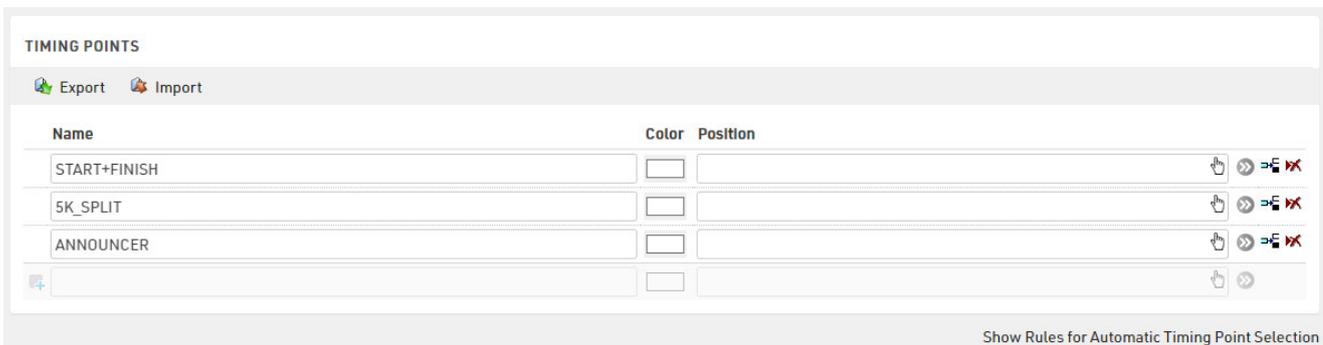


A **timing point** in RACE RESULT is a unique location where times are recorded (e.g. "START", "FINISH", "SPLIT_5", etc.). Each timing system can send data to only one **timing point** at any given time. Since the exporter forwards data from specific **timing points**, you must set a **timing point** for each unique location. For example, two **timing points** require two timing systems (boxes + antennas).

You can name the **timing points** whatever you like, but note that the default exporters will send the data with the same **timing point** name as set in RACE RESULT.

If you used RACE RESULT's standard template, it has a single timing point setup called "**START+FINISH**". You can rename this and add as many **timing points** as required and provisioned for.

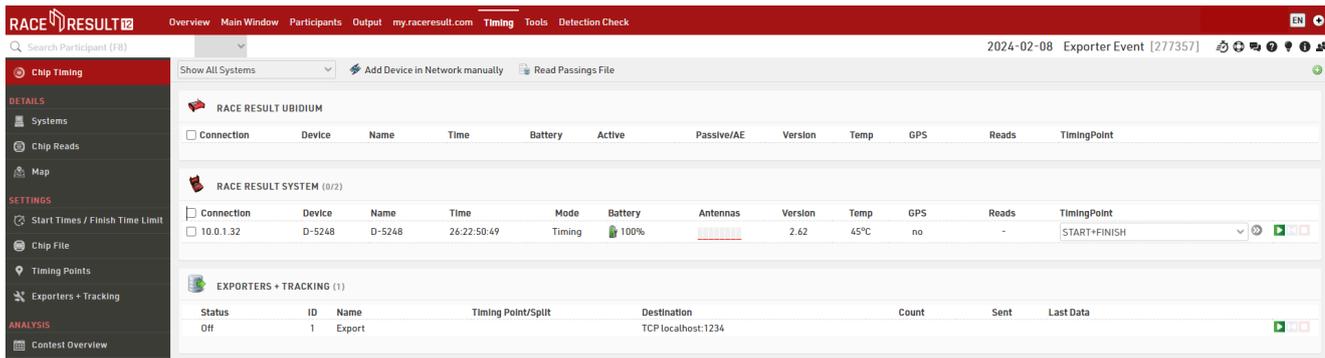
In the following example, there are three **timing points**. The start line and the finish line use the same timing point, i.e. the same place.



Connecting to hardware

Data is pulled from the timing systems and sent to the exporters through the **Systems/Chip Timing** page of the **Timing tab**.

For more information on how to connect hardware, please see RACE RESULT's [quick start guide](https://www.raceresult.com/en-us/support/kb.php?id=8446-Quick-Start-Guide) (<https://www.raceresult.com/en-us/support/kb.php?id=8446-Quick-Start-Guide>).

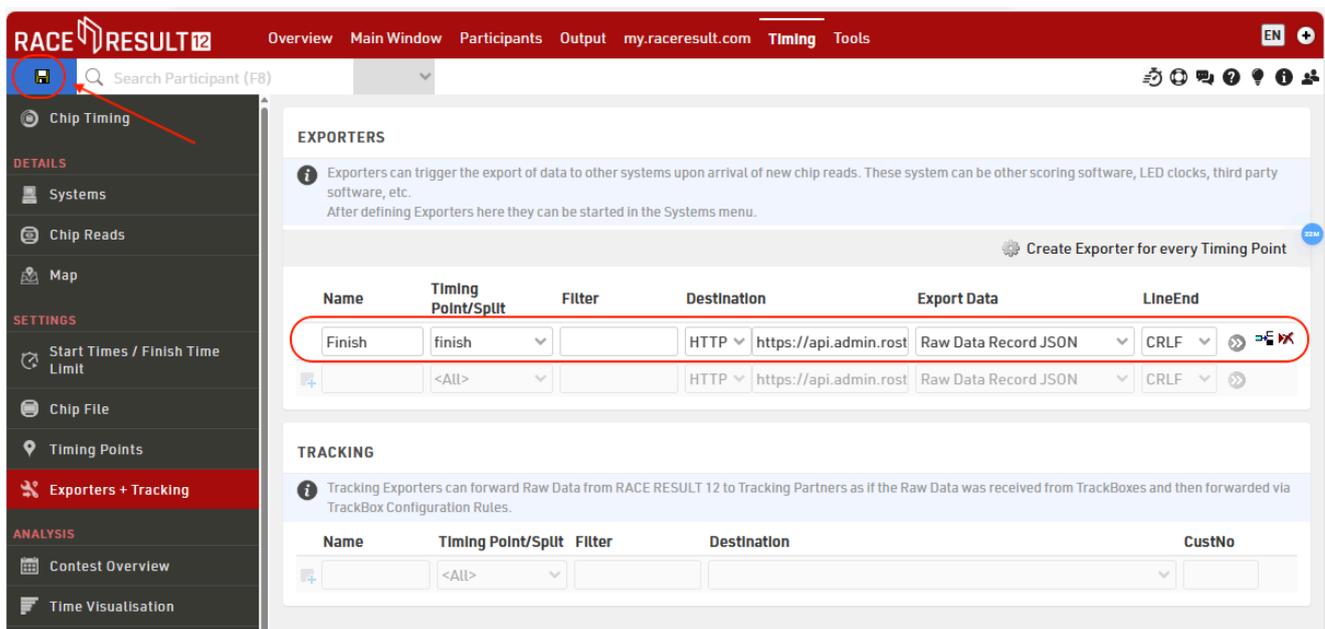


Exporters

Raw **Data Exporters** are set up in the **Timing** tab, which is found in the top navigation menu. Select **Exporters+Tracking** from the left side menu. You can set up one single exporter for all of your data. The function of the **Data Exporter** is to send raw readings of chip times to Roster Athletics automatically.

You will need to add the **Timing system integration URL** from your Roster Athletics meet/meeting (see further down in the Setup in Roster Athletics section of this guide on how to get this URL) in the **Exporter** configuration in RACE RESULT. To do so, go to **Timing** → **Exporters + Tracking** and add a new exporter, including the following information:

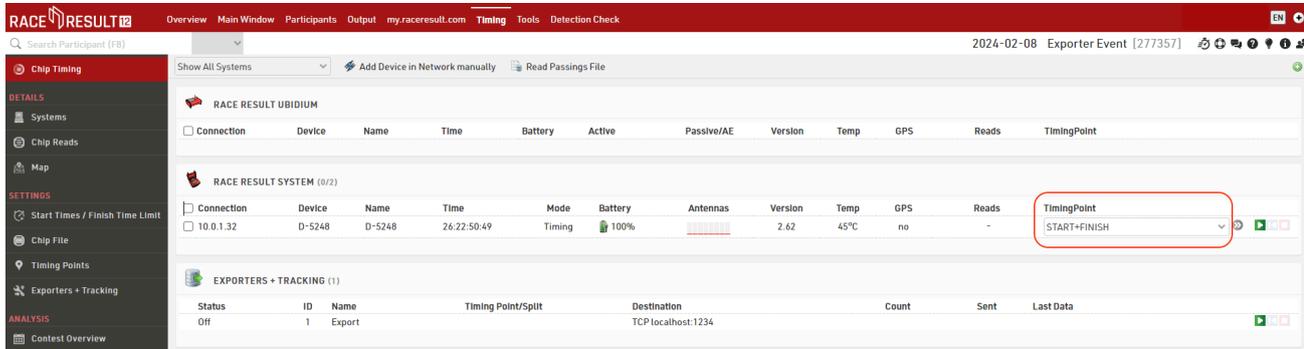
- Name: you must provide a name, but it can be any name you prefer
- Timing Point/split: select **<all>**
- Filter: leave empty
- Destination: choose **HTTP(S) Post** and paste the Integration URL from Roster Athletics
- Export Data: **Raw Data Record JSON**
- LineEnd: **CRLF**



Please note: Remember to save the changes in RACE RESULT by clicking the blue disk icon on the upper left hand side of the page.

Once you have configured the timing points, hardware and exporters, you will need to enable receiving/sending data. Go to **Timing** → **Systems**.

Next to the relevant device, first select which specific timing point this device should be assigned to, and then press the green play button to connect to the system. Repeat for every active device in your configuration. See the screenshot below.



The system will now send any data it records to the software. If you need the data recorded before the connection was made, the blue button will replay all of the data from that file.

Data Exporters are connected and replayed in the same way using the green play button and blue rewind button. Once connected, all of the data which meets the criteria of your exporter will be sent immediately.

Whenever data is being received or sent, there is a count of the data next to the relevant device or exporter, which you should see increment.

If you wish to close a connection, click the red stop button.

IMPORTANT: Remember to start the exporter before the race starts using the green play button. In case you forget to start the exporter, the times will not be lost, but they will not be live. You can “resend” all the chip times by pressing the blue replay button.

Setup in Roster Athletics

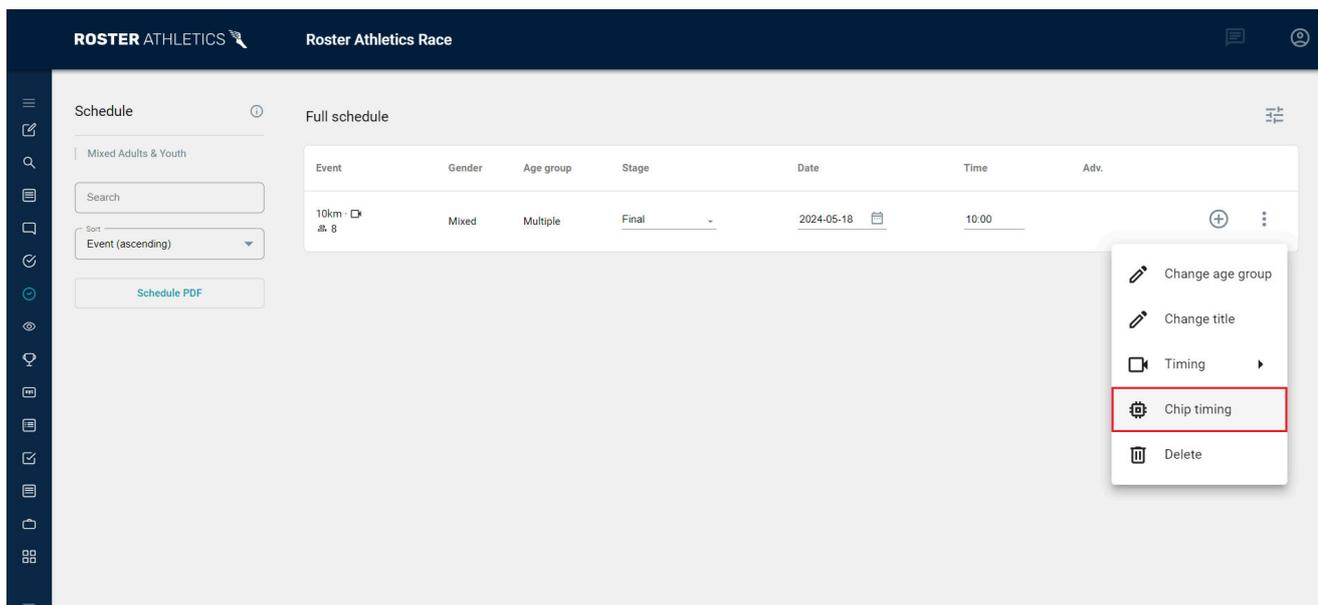
Link your Roster Athletics competition to RACE RESULTS

To integrate the Roster Athletics platform with the RACE RESULT timing system, in Roster Athletics go to the meet/meeting **Details** → **Systems Timing system integration** section and click **Enable Race Result integration**. This action will generate a **Timing system integration URL**. This is the **Integration URL**, which you must copy and paste into the **Exporters + Tracking** section in RACE RESULT, as mentioned earlier in the guide.

Timing points

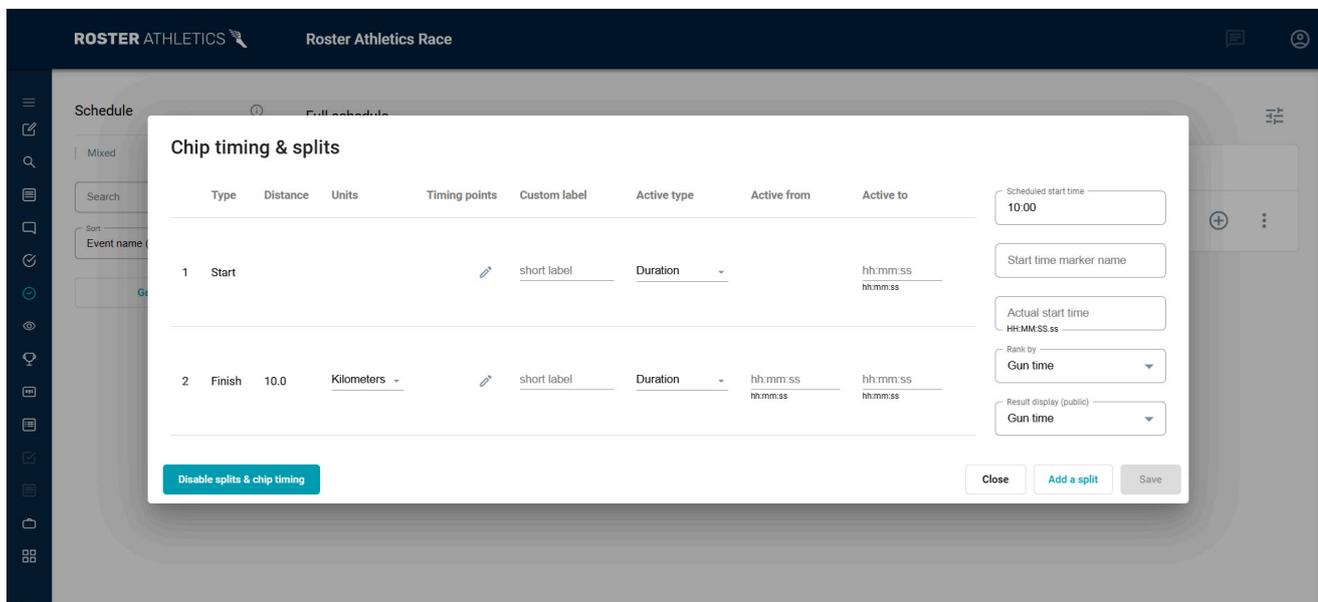
The next step is to configure **timing points** in Roster Athletics.

In Roster Athletics, go to the **Schedule** page. Click the three-dot icon next to the event, and select **Chip timing** and then **Enable splits & chip timing** (you can also access this from the event options in the start list and results views). Here, you can define all of the **timing points** you want to use for the event.



You **MUST** add at least one timing point for **Finish** by adding the timing point name in the **Timing Points** field. This timing point name has to be **EXACTLY** the same one as in **RACE RESULT**. The timing point name(s) must exactly match between Roster Athletics and **RACE RESULTS**.

If you wish to register net times, add the **timing point** name for the start. Note that this can be the same timing point as the finish, if the race is using it as such.



Splits

If your race has splits, add them to the **Chip timing & splits** view. Click the **Add a split** button and add all of the following information:

- **Type** - select if it is Start, Finish or Split point,
- **Distance** - split distance,
- **Units** - distance unit. Available options are kilometers, meters, miles and feet,
- **Timing Points** - the exact name of the timing point used in RACE RESULT,
- **Custom label** (optional) - add a short label that will be visible in public results instead of the split distance (e.g., Lap 1),
- **Active type** - choose the type of the range when the point is active. Available options: Duration, Pace (min/km) and Speed (km/h),
- **Active from** (optional) - the start value (HH:MM:SS) for the selected type,
- **Active to** (optional) - the end value (HH:MM:SS) for the selected type.

Please note that in the RACE RESULT system, you are able to set multiple timing points per split. This may be desired in cases such as having a double wide finish line where 2 mats are used for an extended finish line, or when a backup timing point is needed for a particular split, e.g. the finish line, in case the primary timing point doesn't register a time.

To add more splits, click the **Add a split** button once again.

Start time

In the upper right corner of the **Chip timing & splits** view, you will see the race's **Scheduled start time**. It will be used as the start time if no other parameter is provided. You can also add the **Start time marker name** (typically **MARKER**) if enabled in RACE RESULTS, or manually add the **Actual start time**.

The example below illustrates a 10km race with the same timing point (name = START+LAP+FINISH) for the start, split at 5km and the finish line (= a 5km loop which runners run twice). The start is open from 13:59:45 (actual start time, which is manually added) to 2:00 minutes after the start time. The 5km split is open from 18:00 minutes to 30:00 minutes and the finish is open from 40:00 minutes to 2:00:00 hours after the actual start time.

The screenshot shows the 'Chip timing & splits' configuration window. It features a table with the following columns: Type, Distance, Units, Timing points, Custom label, Active type, Active from, and Active to. The table contains three rows:

Type	Distance	Units	Timing points	Custom label	Active type	Active from	Active to
1 Start			START+LAP_FINISH	short label	Duration	2:00 Time: 14:01...	
2 Split	5.0 n.nnn	Kil...	START+LAP_FINISH	short label	Duration	18:00 Time: 14:17:45	30:00 Time: 14:29...
3 Finish	10.0	Kil...	START+LAP_FINISH	short label	Duration	40:00 Time: 14:39:45	2:00:00 Time: 15:59...

Below the table, there is a 'Disable splits & chip timing' button. To the right of the table, there are several configuration options:

- Scheduled start time: 14:00
- Start time marker name: (empty field)
- Actual start time: 13:59:45.00 (HH:MM:SS.ss)
- Rank by: Net time
- Result display (public): Gun time & net time

At the bottom right, there are 'Close', 'Add a split', and 'Save' buttons.

Ranking and displaying results

You can decide what parameter should be used to rank athletes:

- **Gun time** - sort by gun time,
- **Net time** - sort by net time,
- **Mixed (X first by gun time)** - sort X first athletes by gun time and the rest by net time.

You can also decide which results should be visible in public views (website with results, consumer app, scoreboards, and PDF files) on Roster Athletics:

- **Gun time** - available when Gun time or Mixed is selected to rank athletes,
- **Net time** - available when Net time or Mixed is selected to rank athletes,
- **Gun time & net time** - available for all options.

Please note: If net times exist, they will be used to calculate records. Additionally, all split times will be displayed as net times.

Chip readings

Once both systems have been properly set up and integrated, and the race has started, all chip readings will be sent from RACE RESULT to the Roster Athletics platform automatically. You can see them by clicking the **Chip readings** link on the left-hand side menu.

You can sort the list by BIB or duration, and filter by BIB and timing point.

If a chip reading is missing, you can manually add it by clicking the **Add point** button and adding a BIB, Timing point and Duration. You can also add multiple chip readings by importing a CSV file. To do so, click the **Load from CSV** button. The file should contain BIB, Timing point and Duration, for example:

33,START,10:00:05.00

32,START,10:00:10.00

16,START,10:00:09.00

By clicking the **Show Unallocated BIBs** button, you can view a list of all BIBs with readings that have not been assigned to any athlete on the start list. This may occur, for example, when the start lists between RACE RESULT and Roster are not synchronized.

If you wish, you can add similar readings manually and exclude or remove the readings by clicking the icons.

ROSTER ATHLETICS Roster Athletics Race

Chip readings

Sort by: **BIB**

Filter BIB

Filter timing point

Show unallocated BIBs

Add point

Load from CSV

Delete all

Reload

	BIB	Timing point	Duration	Hits	
1	1	START+LAP+FINISH	14:00:00.00	1000	  
2	1	START+LAP+FINISH	14:03:00.00	1000	  

Exclude/include reading

Important note: Remember that all participants in the relevant event in Roster Athletics must be assigned BIB numbers. The transponder times transferred to Roster Athletics will be associated with a BIB number. If you are using active transponders (not BIBs), you must upload a chip file to RACE RESULT.

Each active transponder has a unique identifier, which is a combination of letters and numbers. This identifier needs to be mapped with the correct bib number in RACE RESULT. To assign all chips to a bib number, import your chip file in the Timing tab under **Settings** → **Chip File**.

See the attached example of a Chip file.

Download and Install the RosterAgent

Modified on: Mon, 19 Feb, 2024 at 3:56 PM

Download a small application to connect and synchronize the browser-based Roster Athletics platform with compatible timing systems software during your competition (currently, Roster supports integration with Eagle Eye Pro, FinishLynx and TimeTronics timing systems). This enables events and starts lists to be updated from Roster to the timing system and results from the timing system to be immediately available on Roster and in the Roster app.

Before beginning, please make sure you have administrator privileges on the computer you wish to use for downloading and running the RosterAgent. You may need to approve the installer with an admin account and/or allow the installer to run through the virus protection and security settings. Make sure to allow the program to make changes to your device.

This guide is divided into two sections:

- **[Downloading RosterAgent](#)**
- **[Installing the RosterAgent](#)**
 - **[Windows PC](#)**
 - **[Mac Computer](#)**

After download and installation, please see the appropriate **[Eagle Eye Pro integration](#)** (<https://support.rosterathletics.com/en/support/solutions/articles/44002416007>), **[FinishLynx integration](#)** (<https://support.rosterathletics.com/en/support/solutions/articles/44001792848-finishlynx-integration>), **[TimeTronics MacFinish integration](#)** (<https://support.rosterathletics.com/en/support/solutions/articles/44002369075>) or **[TimeTronics Argus integration](#)** (<https://support.rosterathletics.com/en/support/solutions/articles/44002385675>) user guide for details on usage.

Downloading RosterAgent

Download the appropriate package for your operating system: (<http://share.rosterathletics.com/agent/RosterAgent-1.0.13.msi>)

- Windows: (<https://share.rosterathletics.com/agent/RosterAgent-1.0.16.dmg>)
(<https://share.rosterathletics.com/agent/RosterAgent-1.1.3.msi>)
(<https://share.rosterathletics.com/agent/RosterAgent-1.1.3.msi>)**<https://share.rosterathletics.com/agent/RosterAgent-2.2.0.msi>**
(<https://share.rosterathletics.com/agent/RosterAgent-2.2.0.msi>)
- Linux (deb): **https://share.rosterathletics.com/agent/rosteragent_2.2.0-1_amd64.deb**
(https://share.rosterathletics.com/agent/rosteragent_2.2.0-1_amd64.deb)

The RosterAgent currently supports the following languages: the US and UK English, Danish, French, German, Greek, Polish, Spanish and Swedish.

Installing the RosterAgent

If you have an agent version prior to 1.0.14 installed, please uninstall this old version and install the latest version per the guidance below. From version 1.0.14 onwards, you don't need to uninstall the previous version.

Windows PC

First, uninstall any currently installed version of RosterAgent by:

- Going to Control Panel → Programs → Programs and Features
- Under "Uninstall or change a program", select any existing RosterAgent versions and Uninstall

Open the RosterAgent package (.msi) and allow the installer to run through any firewall or virus protection programs on your computer (please note there is no message on installation completion).

Now the RosterAgent will appear in the RosterAthletics folder on your applications list, and you are ready to run. A RosterAgent shortcut should also appear on your Desktop.

Mac Computer

We have sunset the Roster Agent app for iOS. Given that FinishLynx and TimeTronics only run on Windows, we will focus on support for the Windows (and Linux) versions of the Roster Agent app.

If you currently use the Roster Agent iOS app and this change creates an issue, please get in touch with us via support@rosterathletics.com.