

Wylas Timing is a brand of
XandarMobPty Ltd
Registered in Australia
ABN Number: 34 166 349 640

media@wylas-timing.com
www.wylas-timing.com

+ User Guide

WYLAS TIMING

LAST UPDATED: JANUARY 2016



USER GUIDE

CONTACTS

Registered Address

Online

96 Kavanagh Road
Wishart
QLD, 4122
Australia

Email 1: media@wylas-timing.com
Email 2: support@wylas-timing.com

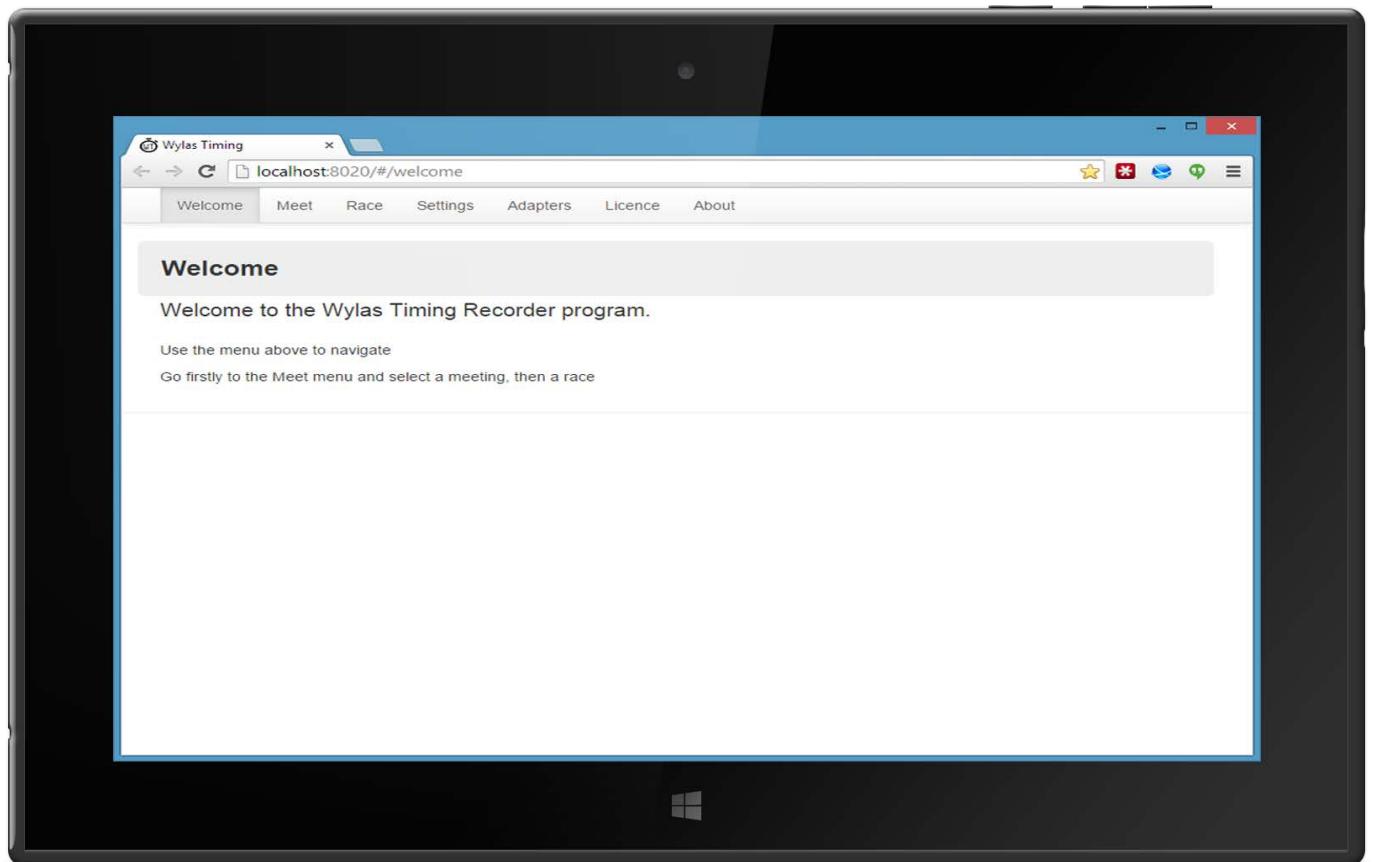
Website: www.wylas-timing.com

1

TABLE OF CONTENTS

04	OVERVIEW
04	SYSTEM REQUIREMENTS
05	HARDWARE SET UP
09	GETTING STARTED
13	MEET MANAGER
15	RECORDER APPLICATION
15	Timing of a Meet
19	Timing of a Race
23	Editing Times
26	Recorder Settings
27	WYLAS TIMING STARTER
28	Starter Settings
28	Starting a Race
29	WYLAS TIMING TIMEKEEPER
30	Starter Settings
31	Starting a Race
32	WYLAS TIMING DISPLAY
33	Display Settings
33	Display Lane Settings
34	Race Positiong Settings
34	Display a Race
38	WYLAS TIMING COMMON ISSUES
39	SUPPORT

Wylas Timing System Overview & Requirements

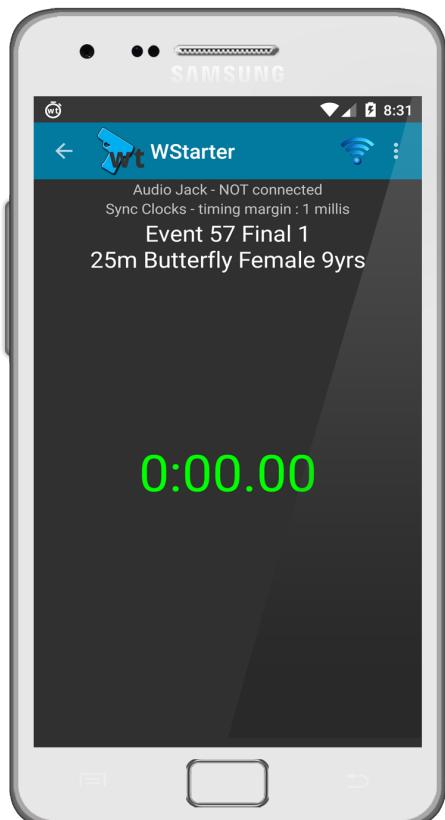
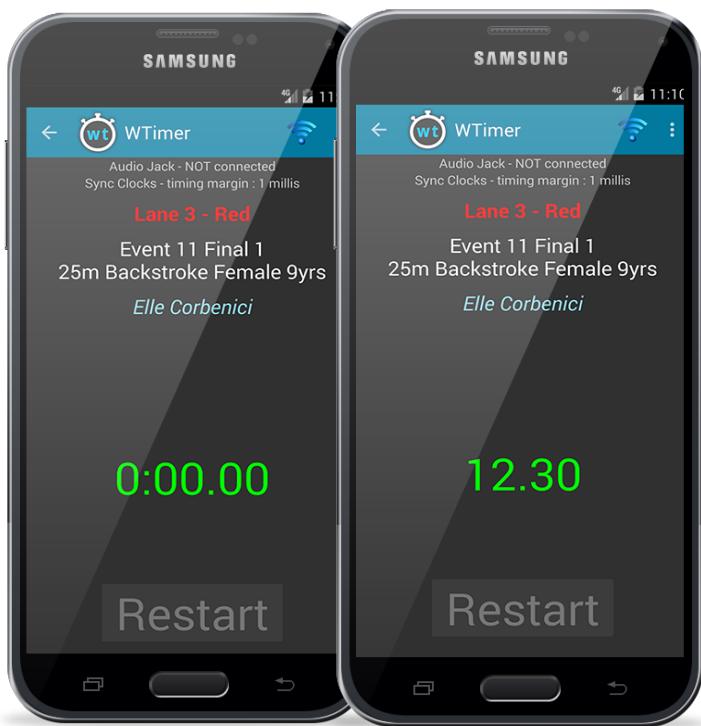


4 SYSTEM OVERVIEW

Welcome and thank you for using Wylas Timing to handle the timing and display of your swimming meet. Wylas Timing's software co-ordinates the collection, recording and display of timing information for swimming meets.

Equipped for rapid assembly and usability, Wylas Timing is a fast, efficient and affordable technology. Wylas Timing integrates with all meet management software fusing prestige accuracy and seamless integration eliminating transcription errors and increasing the speed of your meets.

Wylas Timing corresponds with FINA timing regulations, allowing for splits, multiple timekeepers. Wylas Timing corresponds with FINA timing regulations, allowing for splits, multiple timekeepers per lane and touchpad integration, providing an accuracy of around 2 milliseconds.



4 SYSTEM REQUIREMENTS

- ⊕ Laptop/PC running Windows XP/Vista/7/8/10
 - Google Chrome
 - Meet management application
- ⊕ Wi-fi Router
- ⊕ Starter
 - Starter - Android 4.0+ phone/device
 - Starting pistol producing an electronic start signal (optional but recommend)
- ⊕ Timekeeper - Android 4.0+ phone/device
 - Timekeeper - Android 4.0+ phone/device (1-3 per lane)
 - Touchpad + Timekeeper (optional 1 per lane)
- ⊕ Display
 - Smart TV or TV with android 4.0+ HDMI dongle (0 or more)

All of the above hardware can be purchased at www.wylas-timing.com

1 HARDWARE SET UP

+ Hardware Set Up - Wi-Fi Router

+ Step 1:

Plug the power adapter into the router and then into the wall socket.



+ Step 2:

Take the ethernet cable and plug one end into one of the 4 sockets on the router, and the other into your laptop.



+ Step 3:

If you have an external modem (to provide internet access) you can plug it into the internet port on the router.

+ Step 4:

Switch on the router.



1 HARDWARE SET UP

+ Hardware Set Up - Starting Pistol

+ Step 1:

Take the white audio cable that has one white end and one black end and plug the white end into the socket of the android device with the WT starter app. Plug the black end of the cable into the rear socket on the bottom of the starting pistol handle.



+ Step 2:

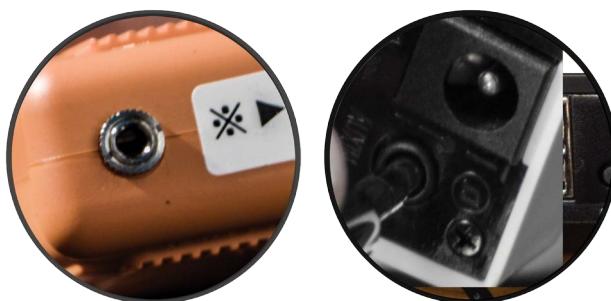
If you are using the Colorado infinity starter to start your races, then plug Wylas Timing Infinity adapter into the 6.5mm output socket on the infinity starter. Then take the white audio cable that has one white end and one black end, and plug the white end into the audio socket of the Android device with the WT Starter app. Plug the black end of the cable into the socket of the WT Infinity adapter.



1 HARDWARE SET UP

+ Step 3:

Tale the 3.5mm male to male audio cable and plug one end into the front most socket of the starting pistol handle. Plug the other end into the auxillary input to your personal PA. This provides the starting sound from the pistol to the PA



+ Step 4:

Switch on the starting pistol.

+ Step 5:

Make sure the sound is set to the swimming start noise

+ Step 5:

Make sure that the pistol is swotted on all the way so that the flash fires on start.

+ Hardware Set Up - Personal PA

+ Step 1:

In step 2 above you have already plugged the pistol into the auxillary port of the PA.



+ Step 2:

Now plug the headset into the microphone port on the personal PA.

+ Step 3:

Switch on the PA.

1

HARDWARE SET UP

+ Hardware Set Up - HDMI Dongle

+ Step 1:

Plug the HDMI dongle into a HDMI socket on your TV



+ Step 2:

Power it by connecting the USB to micro USB cable from one of the two micro USB ports on the adapter to a USB port on your TV.



+ Hardware Set Up - Touchpad Adapters

+ Step 1:

Configure the Wylas Timekeeper that you will use as a touchpad Timekeeper. Got to Settings > Timekeeper Settings > Timekeeper Identifier > Touchpad.

+ Step 2:

Plug the banana jacks from your touchpad into the banana socket on the touchpad adapter (Pictured Below).

+ Step 3:

Plug the 3.5mm audio jack from the touchpad adapter to the Wylas Timekeeper.



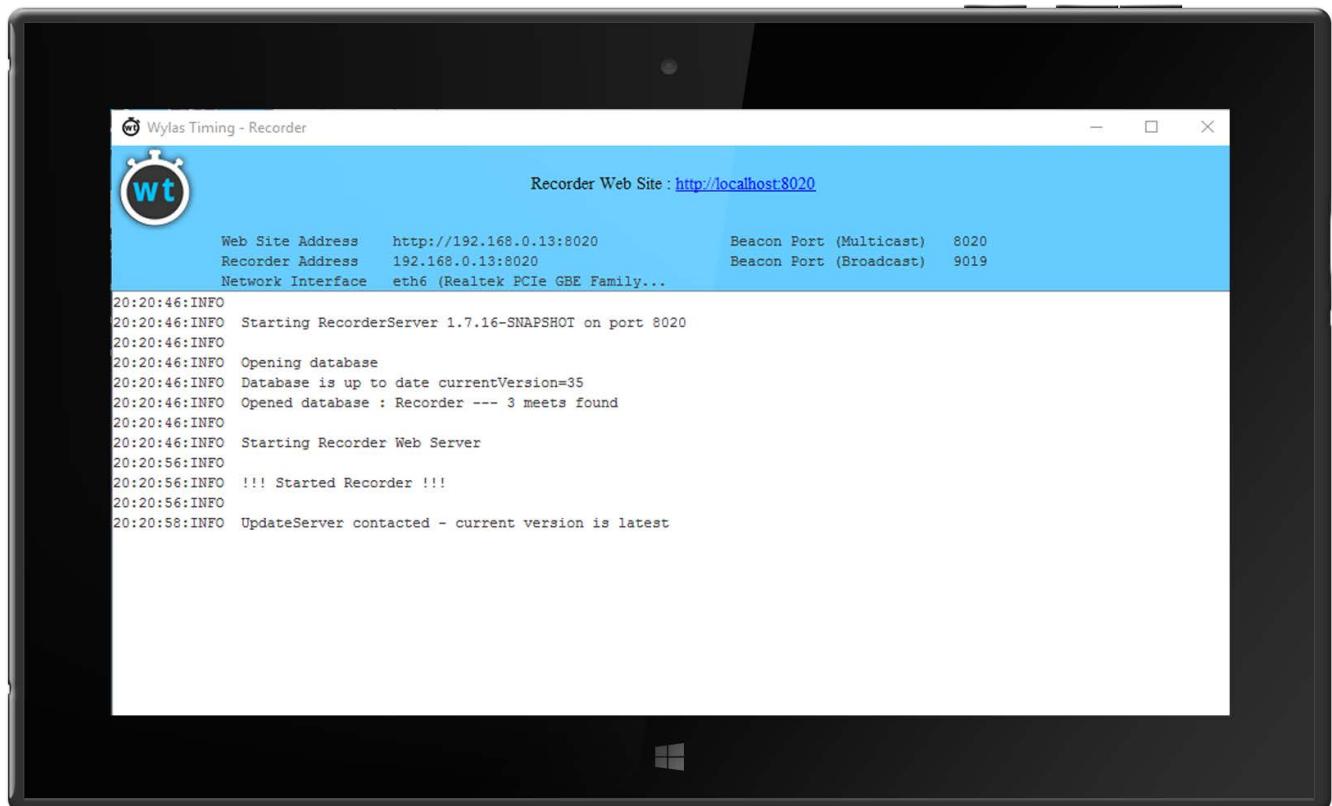
1 HARDWARE SET UP

- + **Step 4:**
Plug the 3.5mm audio jack from the touchpad adapter to the Wylas Timekeeper.

2 GETTING STARTED

+ Setting up Wylas Timing software

- + **Step 1:**
Go to <http://www.wylas-timing.com> and register for a free trial. You will receive a registration email containing a link to the Wylas Timing installer and a demo licence key.
- + **Step 2:**
Download the installer, run it and install the Wylas Timing Recorder to a location that suits you. The installer will have added a recorder icon to your desktop, start the Recorder server by clicking it.

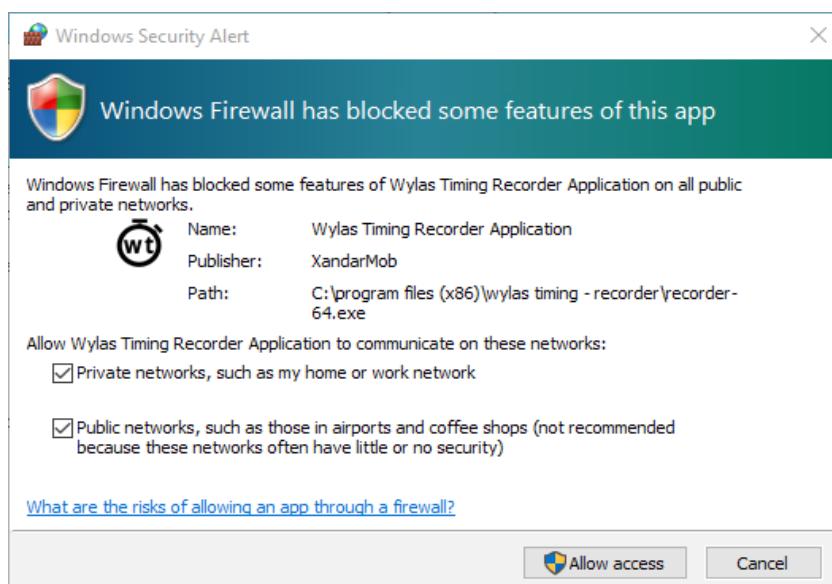


- + **Step 3:**
Once the Recorder server has started (NB “!!! Started Recorder !!!” on the log screen above). Click on the Recorder website link to open the Recorder application in your web browser.

2 GETTING STARTED

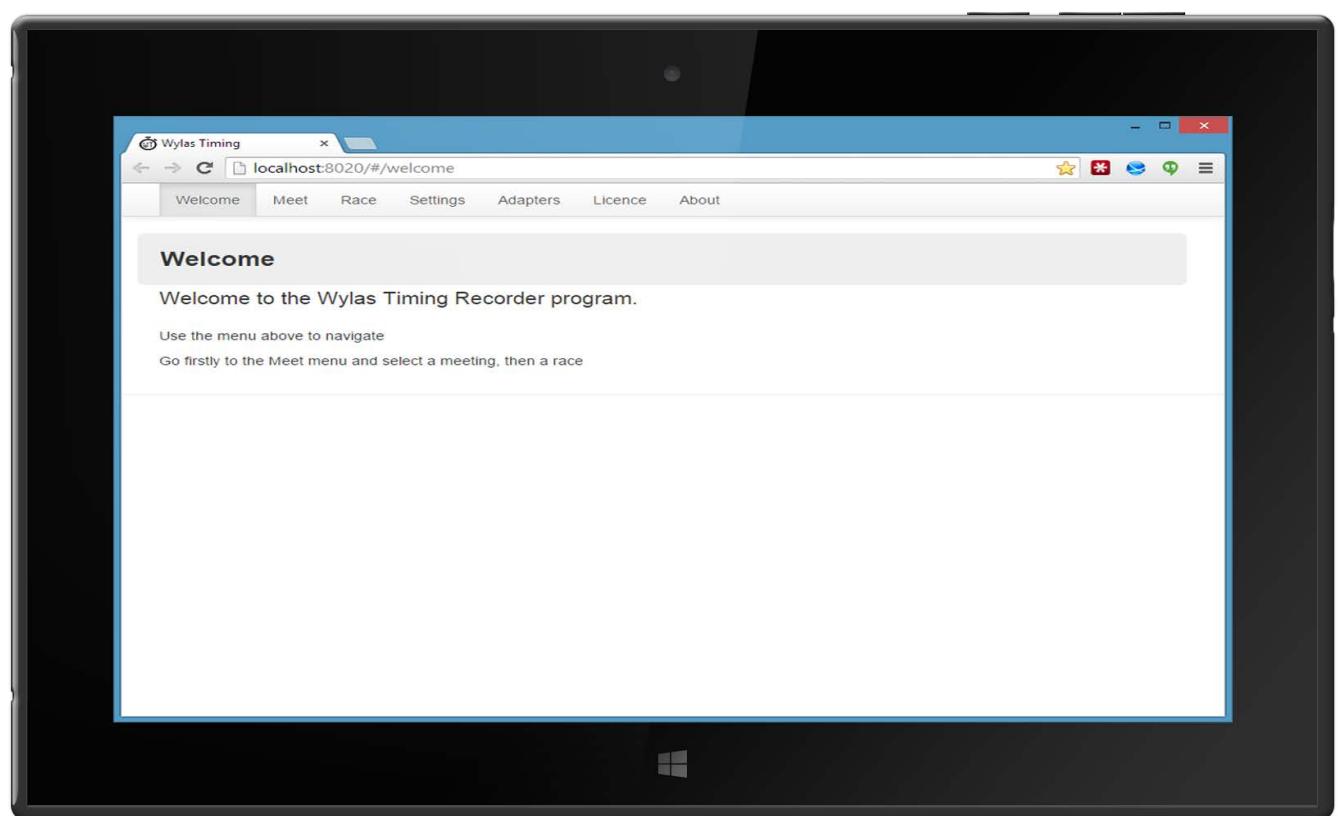
+ Step 4:

If you get a Windows Security Alert, **check both private and public networks** and click Allow Access. This will let the recorder communicate with the Starter, Timekeeper and Display devices



+ Step 5:

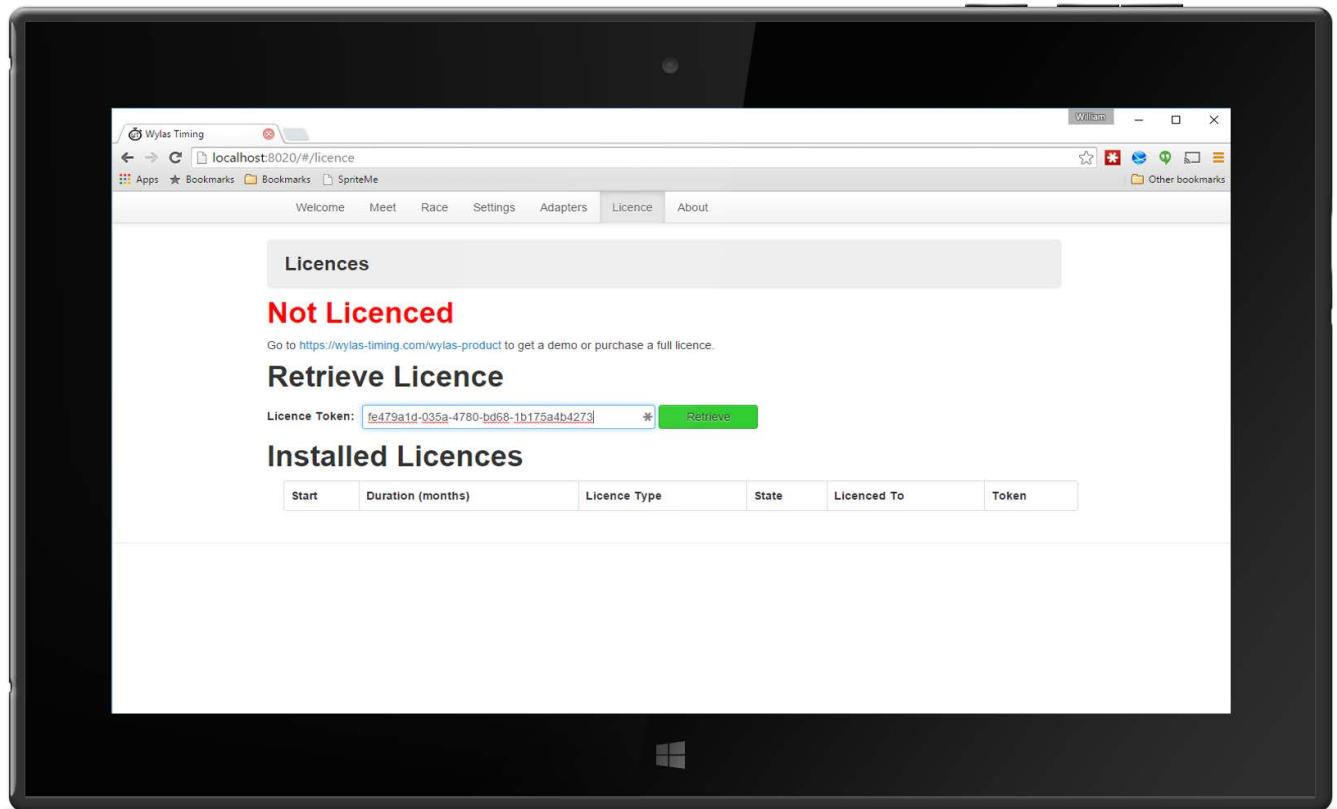
Select the **Licence** tab, enter the demo licence token.



2 GETTING STARTED

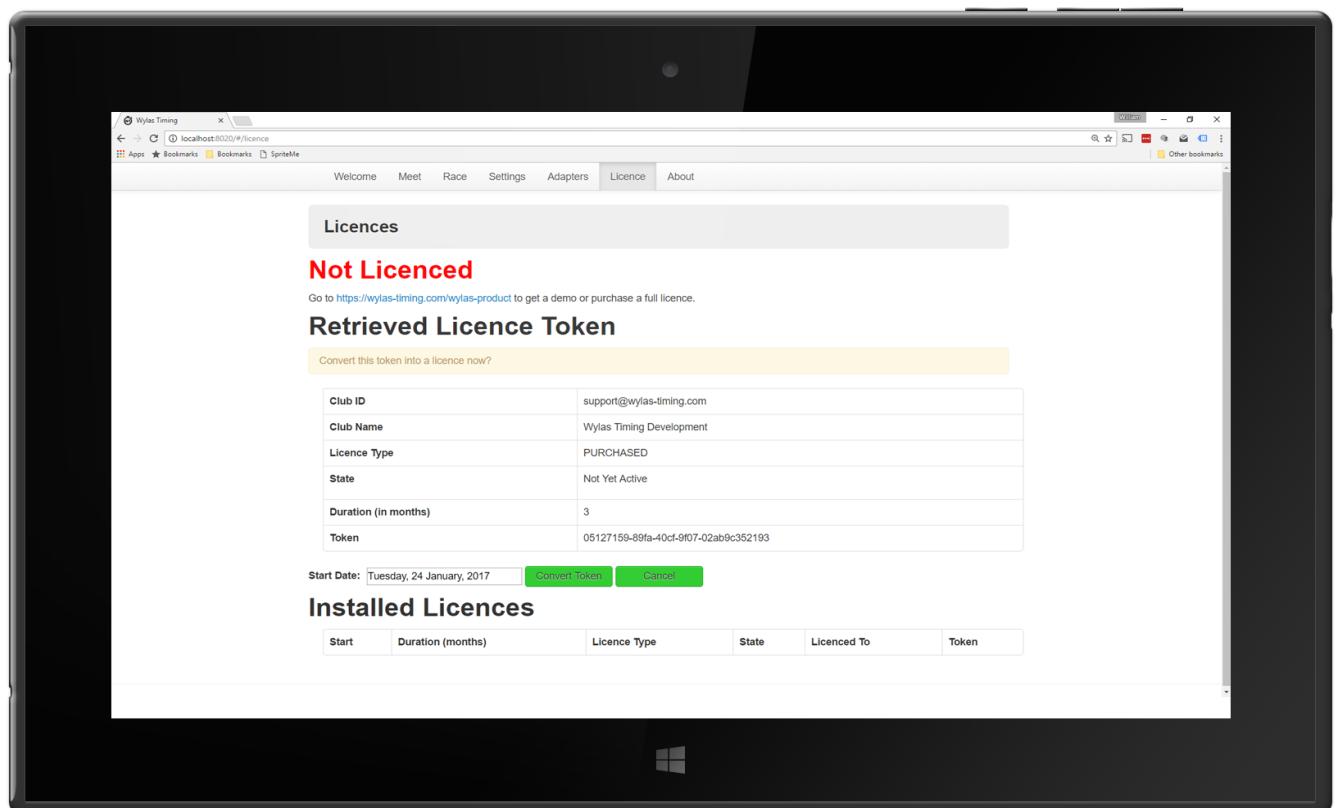
+ Step 6:

Click on the **Retrieve** button.



+ Step 7:

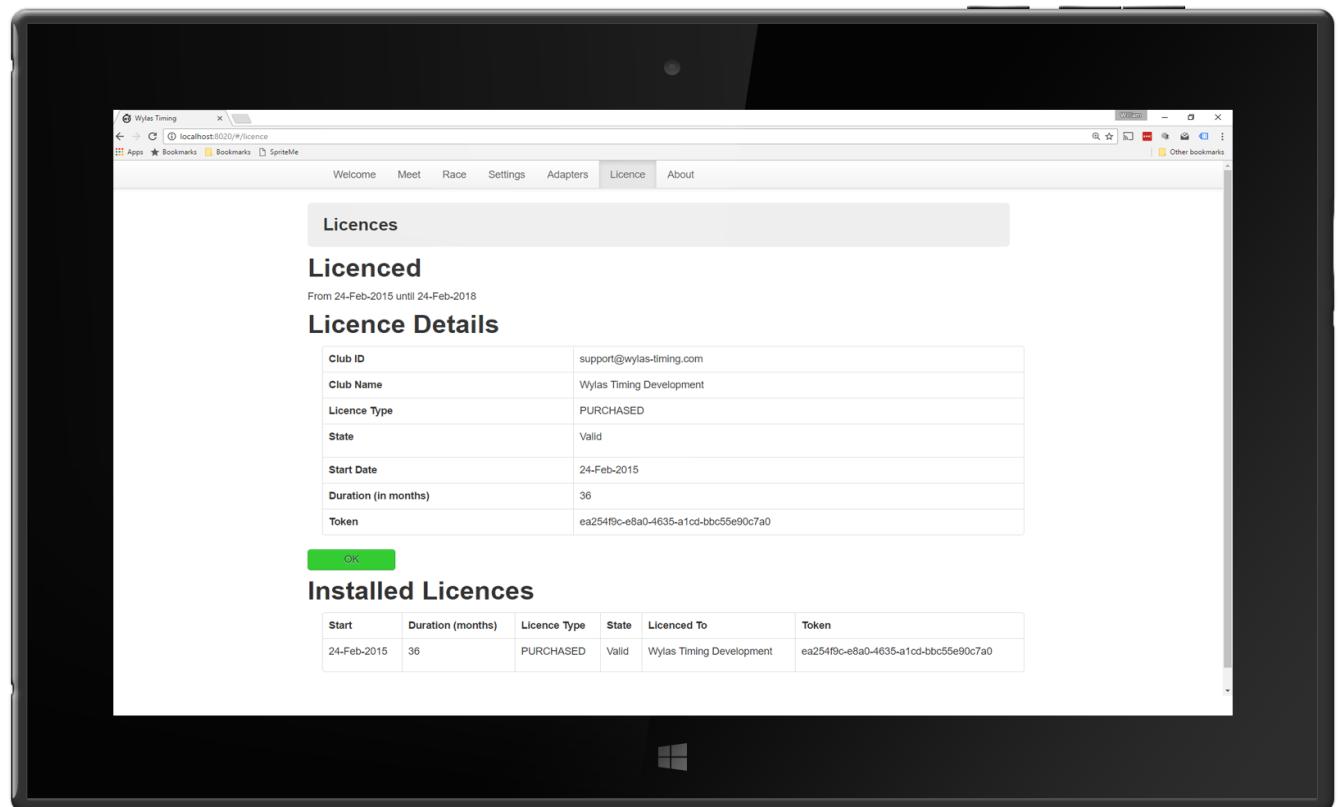
Select the date from which to start the licence and click on **Convert Token**



2 GETTING STARTED

+ Step 8:

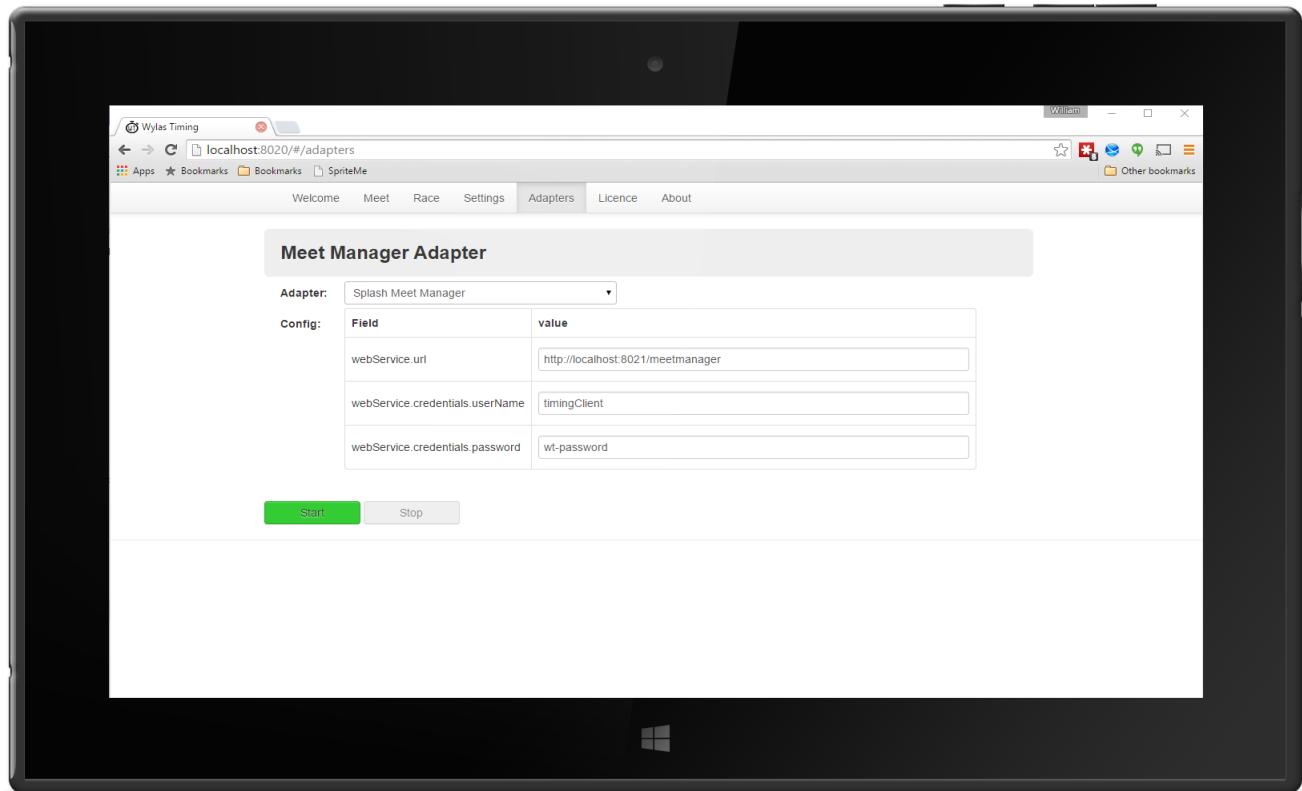
Congratulations, you have now installed your demo licence key and are ready to start using Wylas Timing for your meets. When you purchase a licence you will install it here too.



2 MEET MANAGER SYSTEM

Wylas Timing integrates with your meet manager in order to display the athletes in each race and match recorded times against each athlete.

- + Before running any races, select the **Adapters** tab and choose the adapter for your meet manager.



- + Modify the adapter parameters as required. Your meet manager documentation should provide details on this. If your meet manager is not listed, let us know (support@wylastiming.com) and ask your meet manager provider why not and when they will support Wylas Timing.

Current adapters include:

- *Splash Meet Manager*
- *Hytek Meet Manager (via 3rd party Database adapter)*
- *Hytek Meet Manager (via Net adapter)*
- *SwimTracker*

- + Click Start. You are now ready to start timing a meet.

Integration with Hytek Meet Manager 4, 5 or 6 via 3rd party Hytek MM database adapter: This adapter ships with Wylas Timing and works very well. But because it talks directly to the Meet Manager database it cannot run at the same time as Meet Manager. So before starting the MM database adapter in Wylas Timing, you need to first shutdown Meet Manager. And if you need to use Meet Manager during the meet, such as to run a report, then you need to stop the MM database adapter before starting Meet Manager. To start timing again, you will need to first shutdown Meet Manager before restarting the MM database adapter.

2 MEET MANAGER SYSTEM

- + Integration with Hytek Meet Manager 6.0Dc (or greater) via Hytek MM Net adapter:
This adapter requires purchase of the Timing Console Interface package from Hytek and allows Wylas Timing to run concurrently with Hytek Meet Manager. In order to initialise it, go to the Run menu within Meet Manager and select the Interfaces->Set Up->Timing Console Interface menu item. Choose either 'Wylas Timing UDP Automatic' or Wylas Timing UDP Manual'.
- + Automatic means that as soon as you click Finalise in Wylas Timing the results will be automatically inserted into Meet Manager. Manual means that when you click on Finalise in Wylas Timing, Meet Manager will pop up a dialog confirming that you want to add these results to the race. Click OK to finish selecting the timing interface.
- + Select the Interfaces->Timer (WYAU) Timer 1-> Set Up UDP IP Address menu item.
Make sure that:
 - *the value of the Meet Manager Port matches the 'meetManager.port' field in the Wylas Timing Meet Manager Adapter configuration for the Hytek Net Adapter. The default value is 7711.*
 - *The value of the Available Meet Manager IP address matches that of the 'meetManager.ipAddress' in the Wylas Timing Meet Manager Adapter configuration for the Hytek Net Adapter. The default value is '127.0.0.1' which represents the computer on which Wylas Timing is running. If Wylas Timing and Meet Manager are running on different computers, then you need to choose the IP address of the computer on which Meet Manager is running.*
- + Click OK to finalise the timing interface configuration.
- + You can test that the timing interface has been correctly configured within Meet Manager by starting the Hytek Net Adapter in Wylas Timing and clicking on the Test button. A successful will generate a success message in green at the top of the Wylas

2 RECORDER APPLICATION

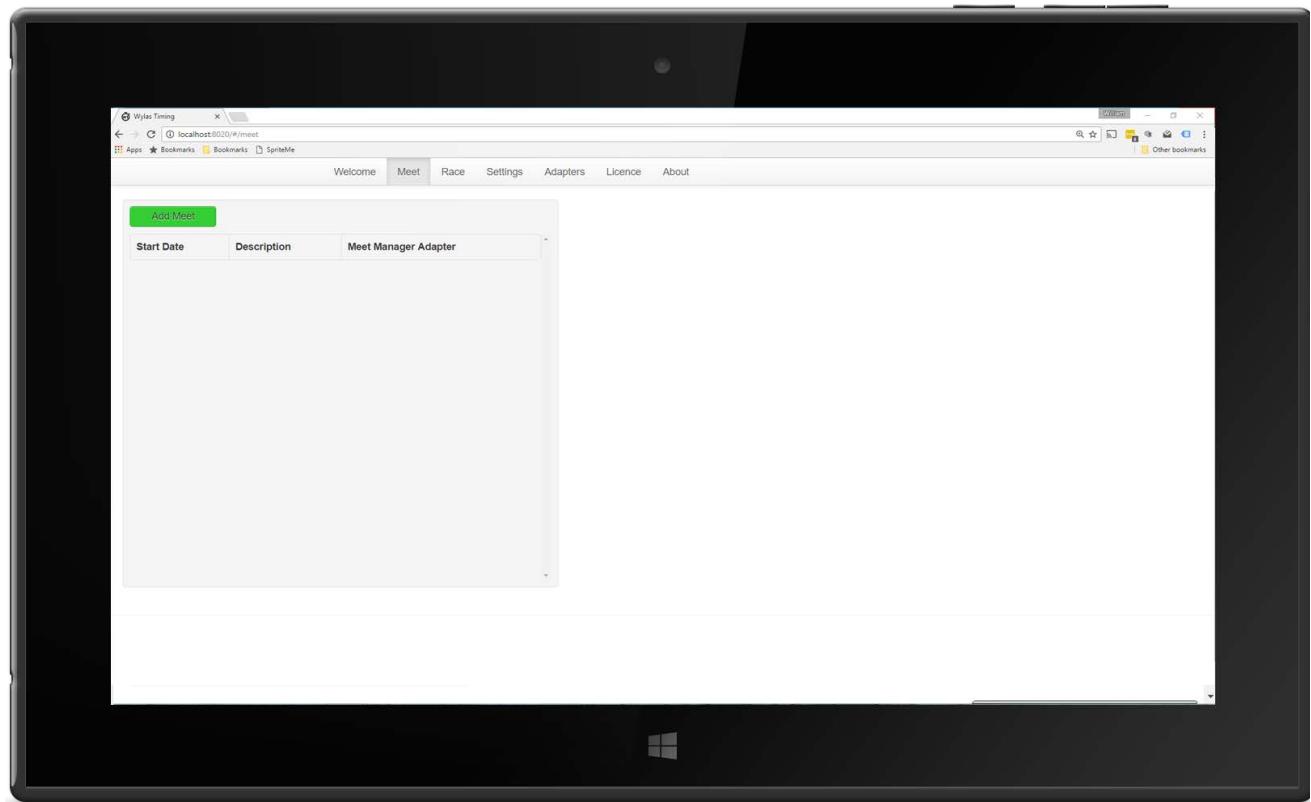
The Recorder is at the heart of the Wylas Timing system. It co-ordinates your timers and displays and communicates with your meet manager so that it receives the results as they come in.

Once you have a licence and have started the meet manager adapter you are ready to start timing a meet.

+ Recorder Application - Timing a Meet

+ Step 1:

When setting up a meet, the first thing you need to do is add the meet. Go to the **Meet Tab** and click on **Add Meet**.

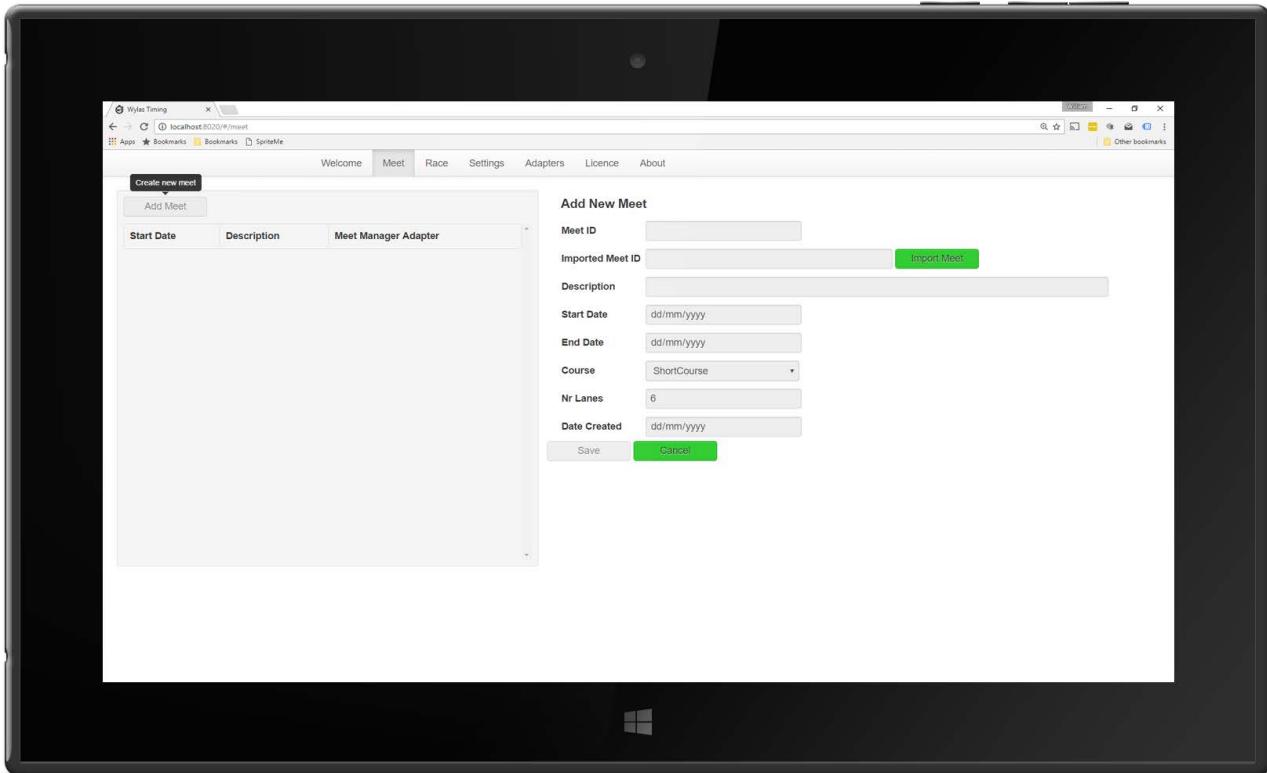


2

RECORDER APPLICATION

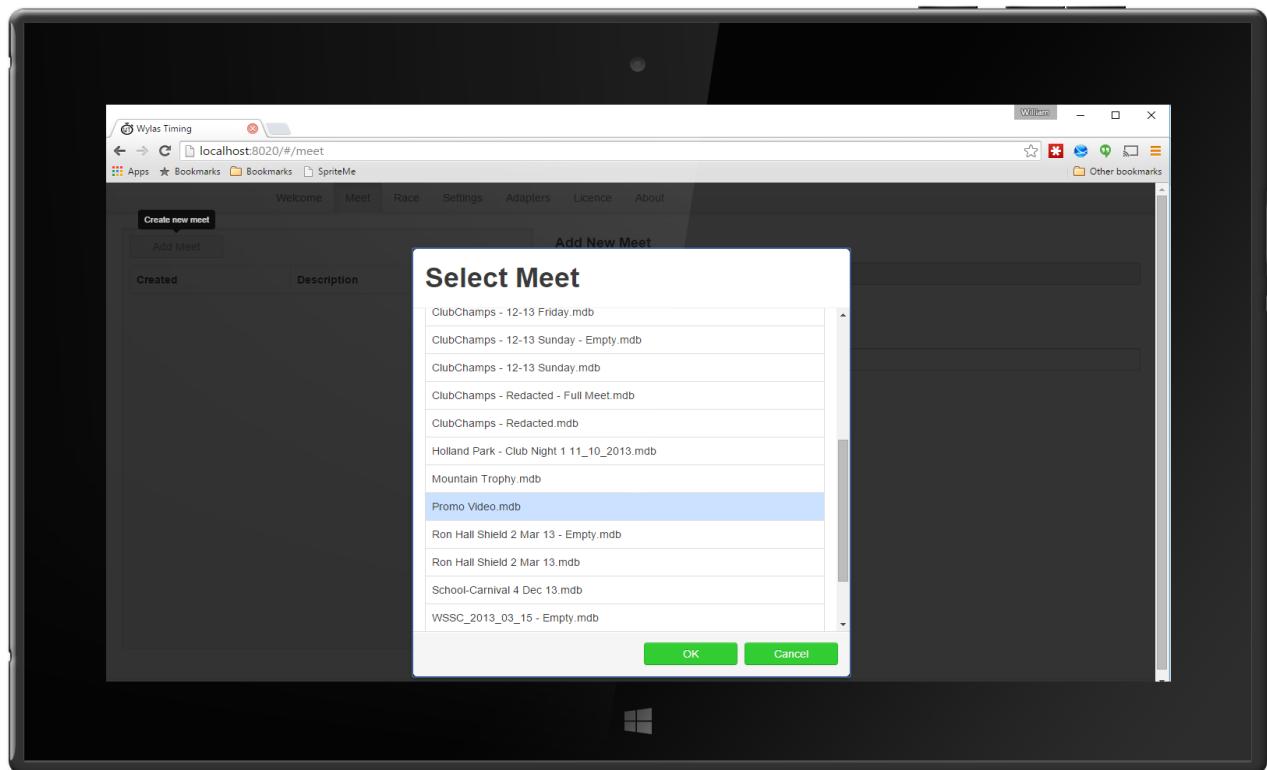
+ Step 2:

This will display the Add New Meet page. Click on **Select Meet**.



+ Step 3:

The meets that can be specified by the Meet Manager will be displayed in the Select Meet Dialogue. Select the meet to add and click on **OK**. If the Meet Manager only provides a single meet then that meet will be selected and the dialogue won't be displayed.

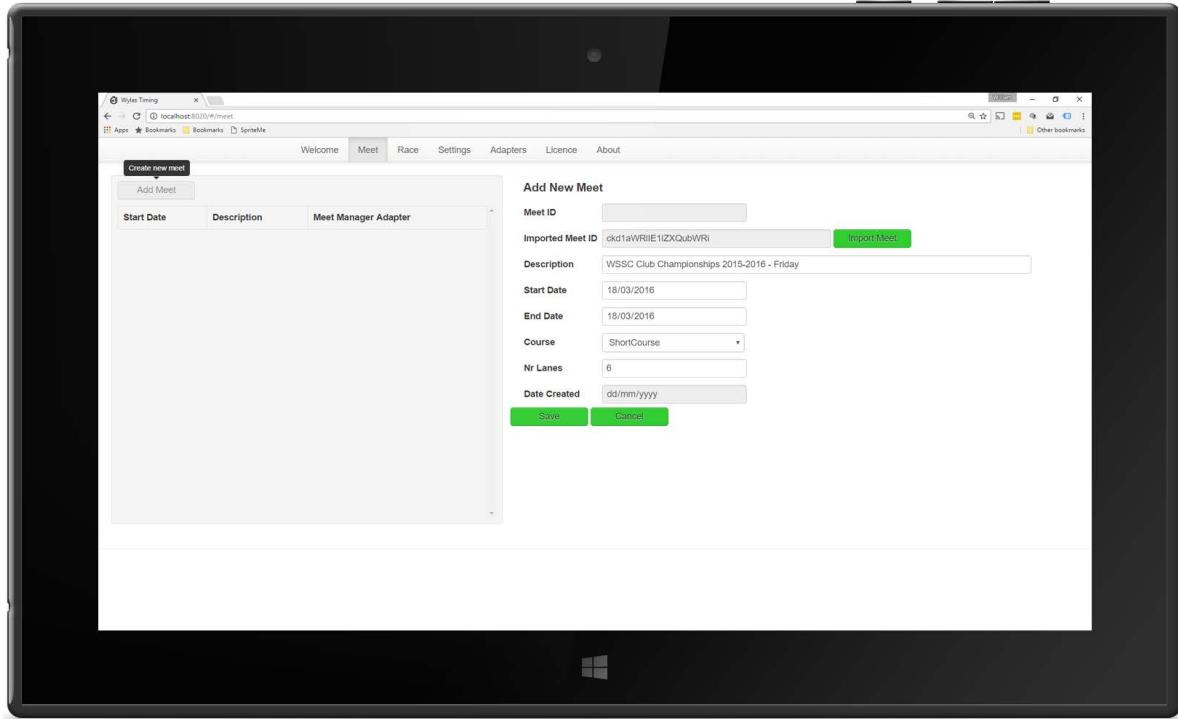


2

RECORDER APPLICATION

+ Step 4:

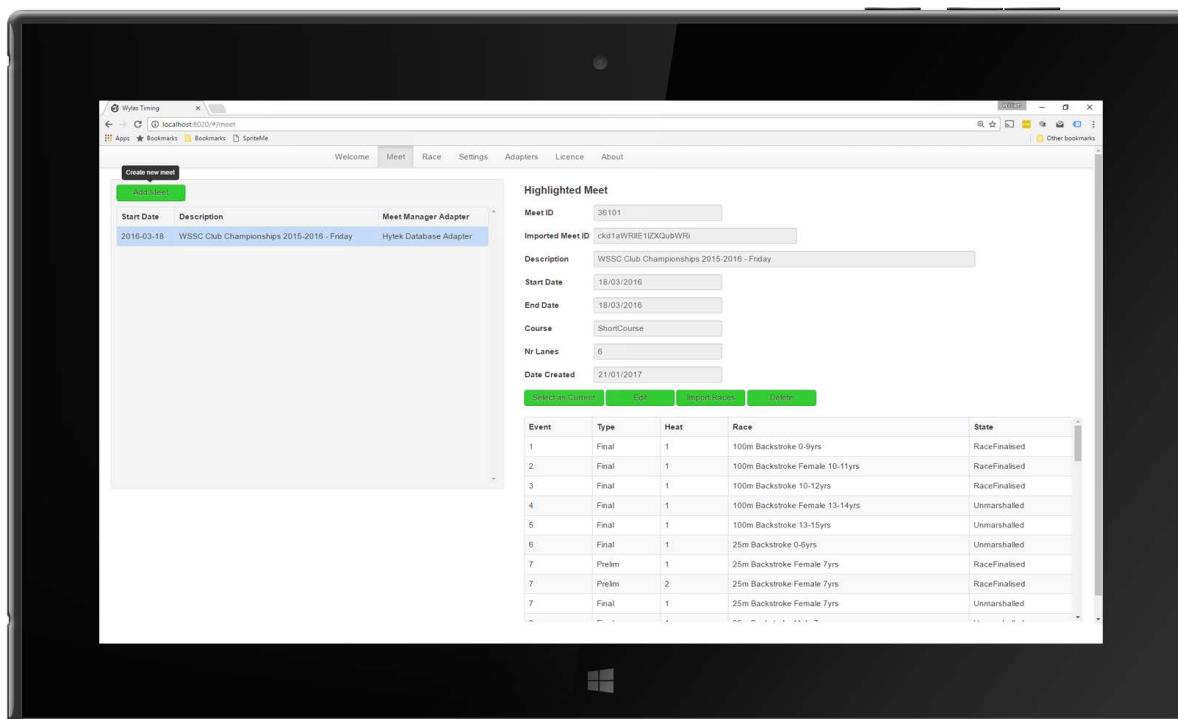
After selecting a meet to import, configure the number of lanes and the description for the meet, then click the Add button



+ Step 5:

When a meet is selected it will gain an entry in the left hand navigation pane. When a meet is imported all the races are copied and by default so are the race entries.

When a meet is selected (indicated by the blue highlight) the details for that meet are displayed in the right hand meet pane.

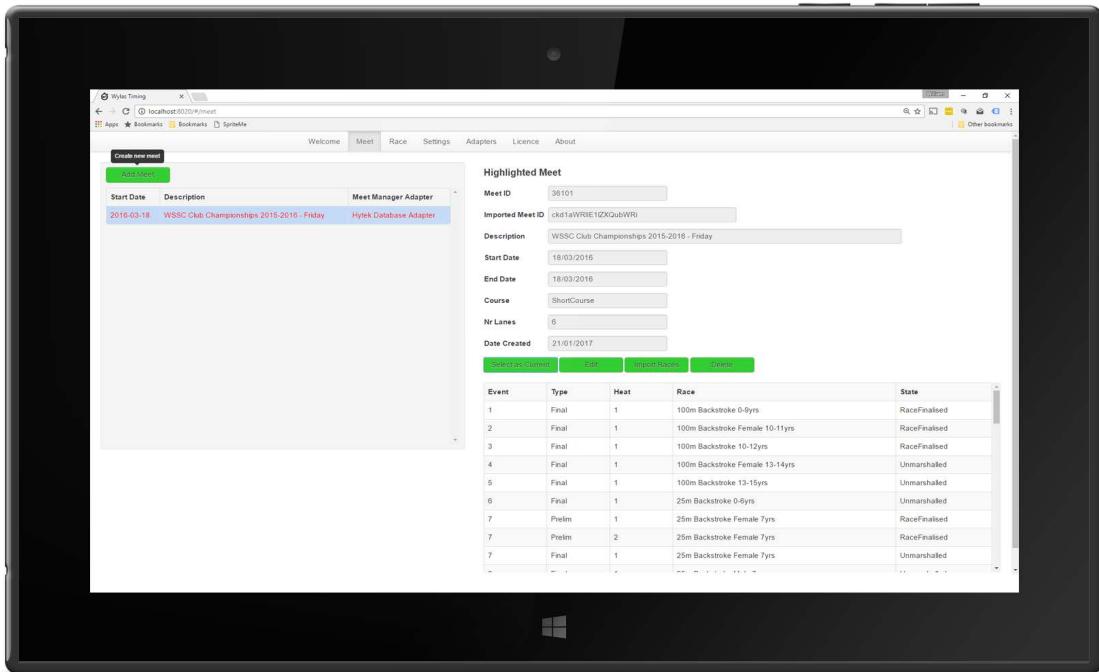


2

RECORDER APPLICATION

+ Step 6:

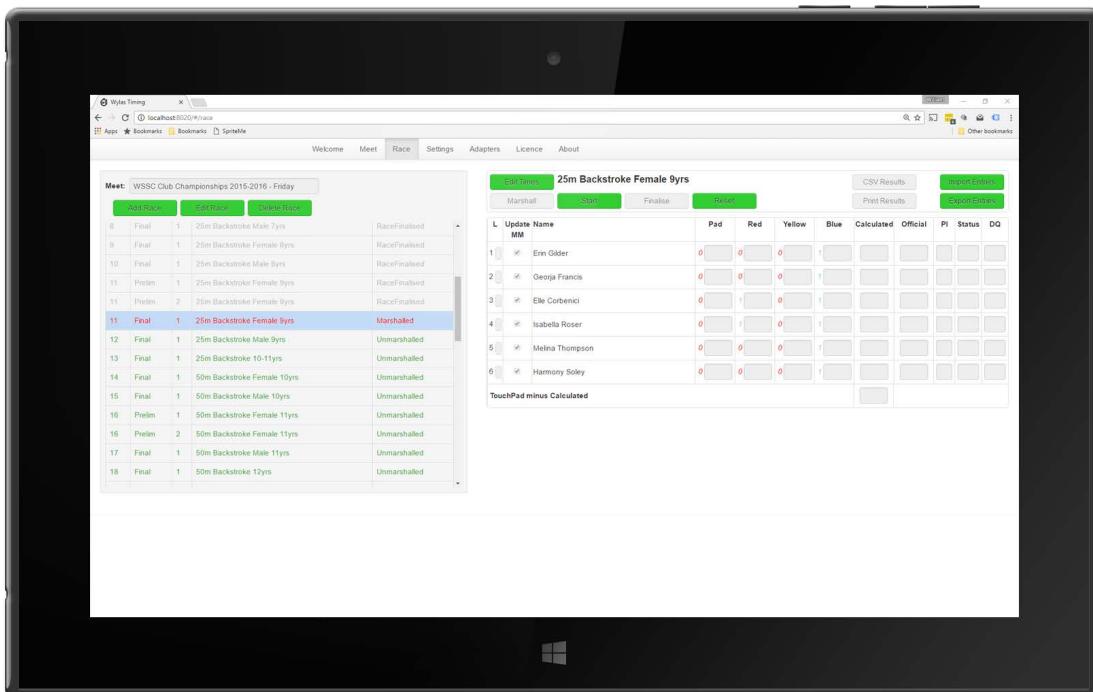
Before timing a meet you must first select the meet as current by clicking on the **Select as Current** button. The current meet is indicated by the red font in the left hand navigation pane.



+ Step 7:

Now that we have a current meet, click on the Race tab. You will see a left hand pane showing all the races for the meet. You can see the event number, type of event, heat number, short description of the race and what state the race is in. Clicking on one of the races in the left hand list will select that race. The selected race is highlighted in blue. The currently marshalled/running race will have a red font. Finalised races will have a faded/subdued font colour. And unmarshalled races are in green.

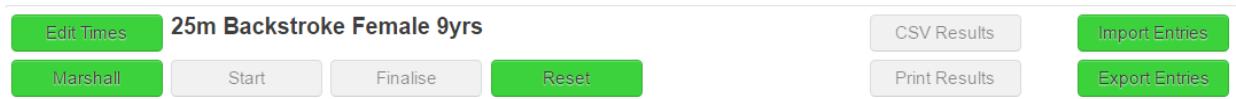
In the upper right hand pane you have some buttons to control the state of the selected race and in the lower right hand pane you can see the swimmers in each lane and the times from each of the timekeepers.



2 RECORDER APPLICATION

+ Recorder Application - Timing a Race

Have a look at the Race tab, This is where you will manage each race, mainly marshalling and finalising.



From here you will **Marshall** each race, make any adjustments to times with **Edit Times**, **Finalise** the race when complete and **Reset** the race when you need to start over due to a false start etc.

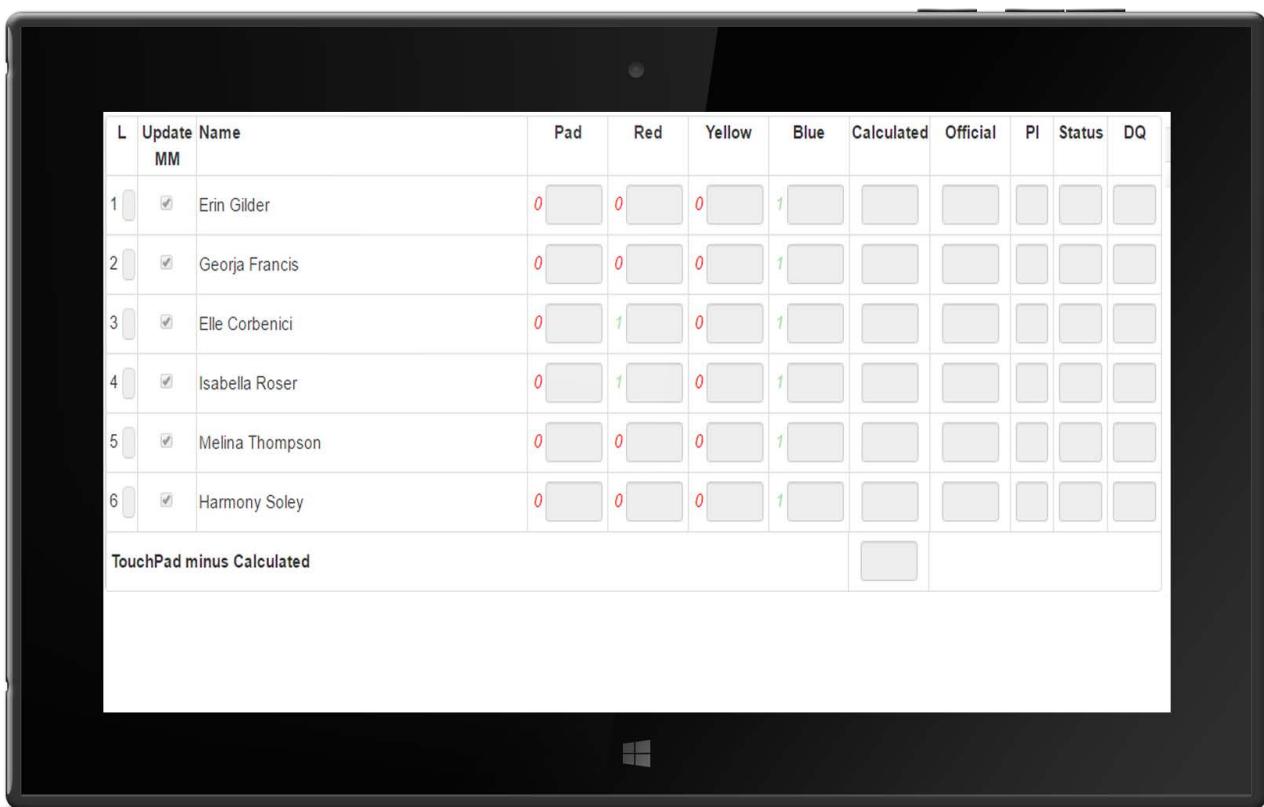
You can even reimport the entries for a race if they have changed in the Meet Manager, or export entries again if you have had to change them after finalising,

Now that you have an overview of the system, let's time a race

+ Step 1:

Select a Race in the navigation pane and from the Race tab click on **Marshall**.
The font will turn red in the navigation pane.

The WT Starter, WT Timekeeper and WT Display will receive the message that a race has been marshalled and will update their displays accordingly.



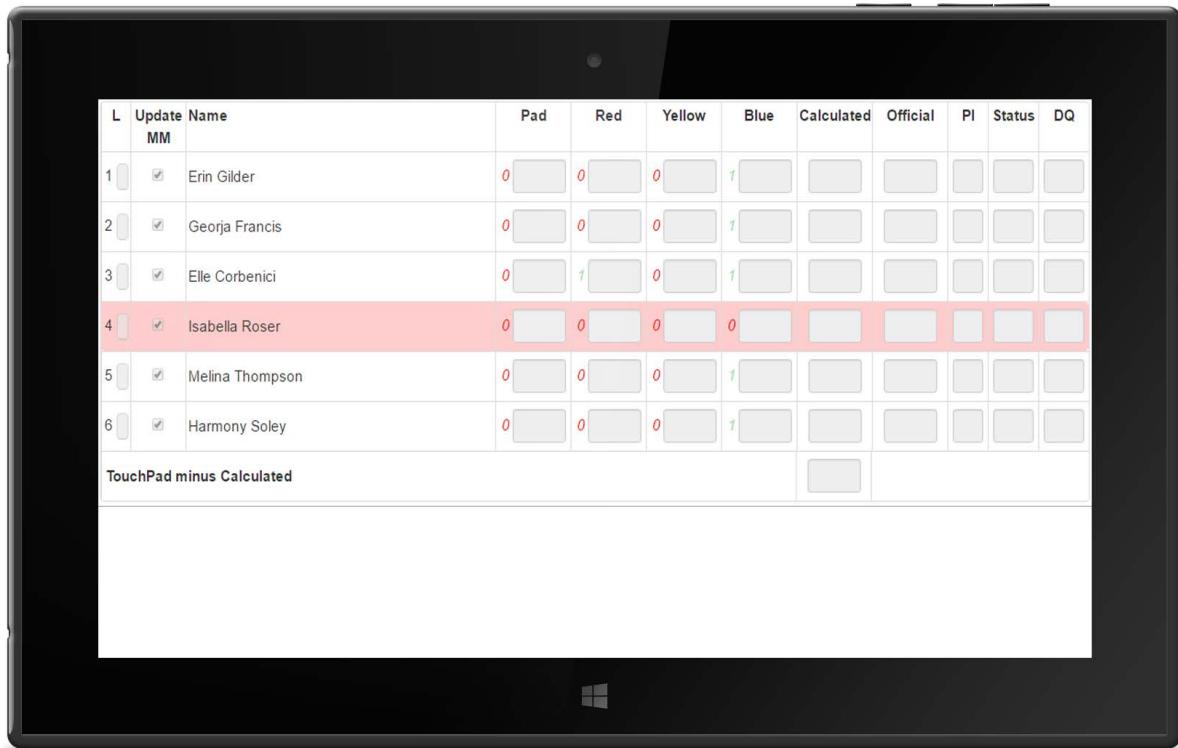
+ Step 2:

In the Race Entries tab there is a row for each lane, and each row displays the lane number, athlete, times, place and any relevant status and disqualification code.

Each of the timekeeper cells has a number before the time box. It represents the number of timekeepers of that type on the lane. The fact that there are no timekeepers on lane 4 is further highlighted by the red background for all of lane 4.

2

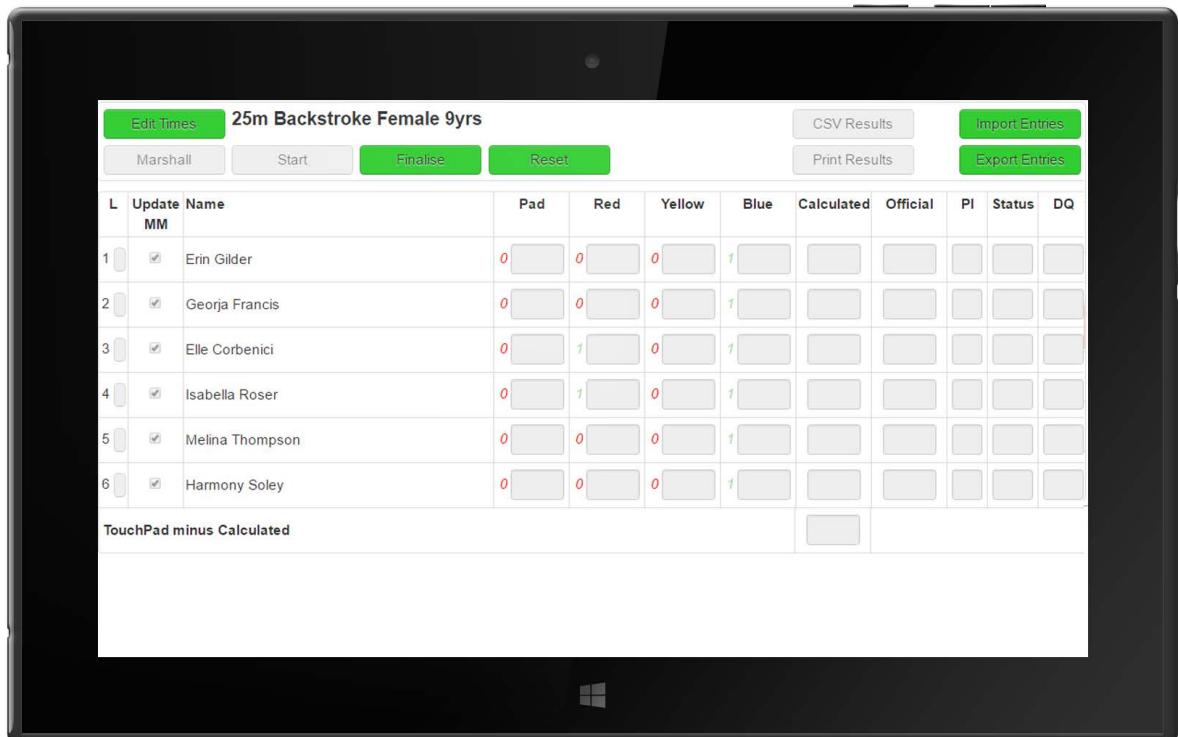
RECORDER APPLICATION



+ Step 3:

Now that a race has been marshalled the Starter is able to start the race. It is recommended that this be achieved via an electronic starting pistol that is plugged into the WT Starter.

When the start signal is received all the watches are automatically started and the race clock will become visible on the WT displays.



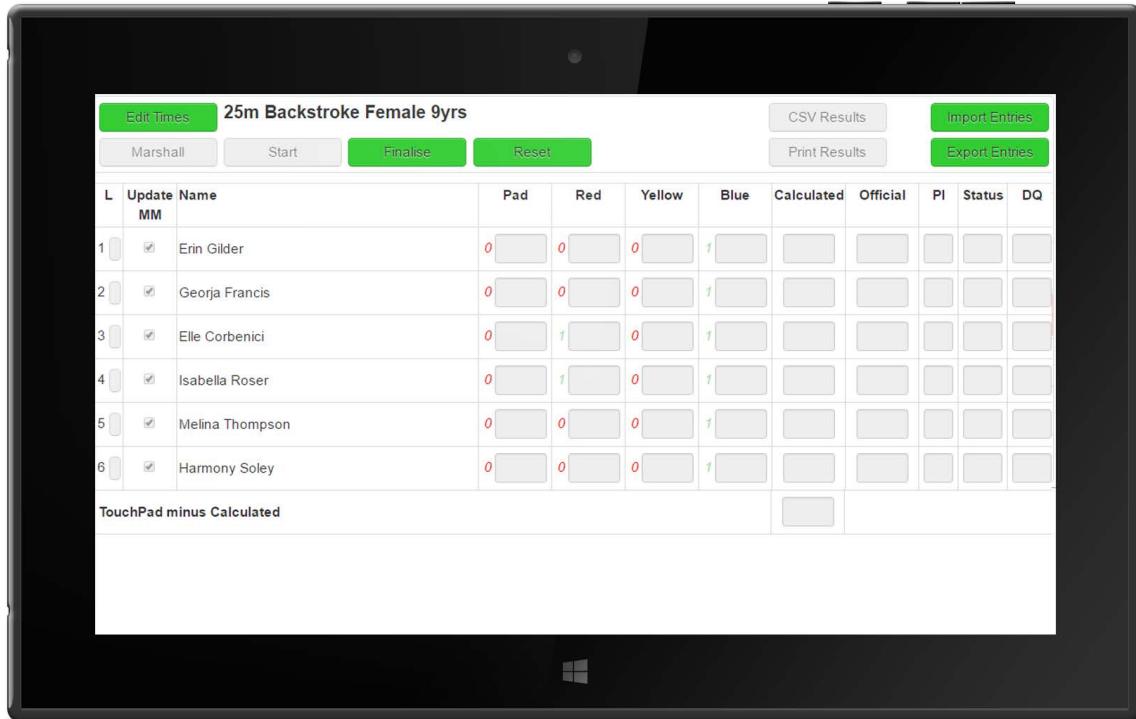
In the image above we can see that Event 6 has been started.

2

RECORDER APPLICATION

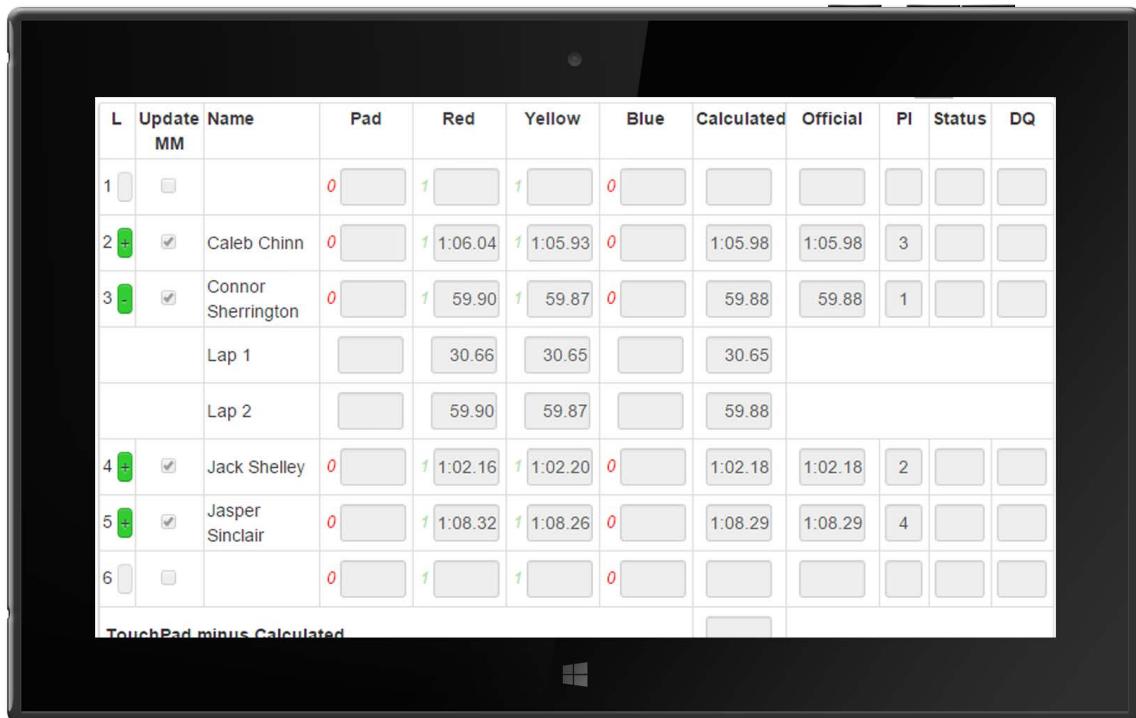
Step 4:

Timekeepers will stop their watches when the athletes complete their race. When they do so the times are displayed on the WT Timekeepers, the WT Displays and on the Recorder. As more results come in they will be displayed on both the recorder and the displays.



Step 5:

If your race has multiple laps then the timekeepers can record the splits for each lap. When the Timekeepers do record splits, the Recorder will show that by enabling the button in the lane column. Clicking on the + button will cause the splits for that athlete to be shown as it is for lane 3 above. Clicking on the - button will hide the splits.

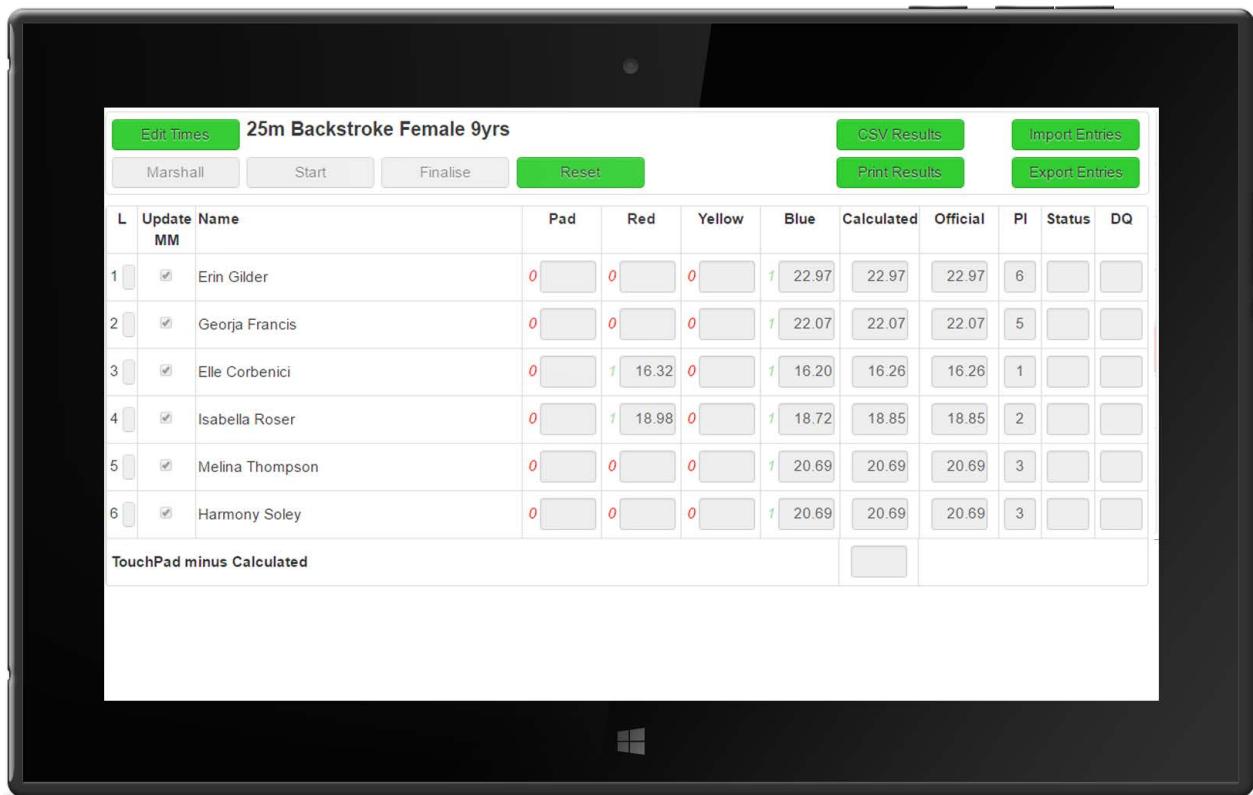


2

RECORDER APPLICATION

+ Step 6:

Once a race has been completed, click on the **Finalise** button to change the state to RaceOver. This also sends the race results to the Meet Manager



+ Step 7:

Well done, you've just timed your first race.

Now select the next race and click **Marshall**. Repeat until you have completed your meet.

2

RECORDER APPLICATION

+ Recorder Application - Editing Times

From time to time you will encounter inconsistencies in the times from Timekeepers. They may have missed the end of the race, or went too late/early etc. That's OK, Wylas Timing provides a way to mitigate the problem that conforms to FINA and US Swimming regulations.

- + Let's look at the following race.

L	Update MM	Name	Pad	Red	Yellow	Blue	Calculated	Official	PI	Status	DQ
1	<input type="checkbox"/>		0	0	0	0					
2	<input checked="" type="checkbox"/>	George Thompson	0	21.53	21.65	0	21.59	21.59	1		
3	<input checked="" type="checkbox"/>	Jordan Clement	0	24.74	24.07	0	24.40	24.40	2		
4	<input checked="" type="checkbox"/>	James Rose	0	26.47	0	0	26.47	26.47	3		
5	<input checked="" type="checkbox"/>	Josh Profke	0	0	0	0					
6	<input type="checkbox"/>		0	0	0	0					
TouchPad minus Calculated											

- + Lane 2 looks fine. Both the red and yellow times are only 12 hundredths apart.

But the app has placed a red border around three times that it believes may be a problem. When we hover our cursor over those times we can see that the warnings for lane 3 are because there is more than a 0.3 second difference between the time and the official time. And the warning for lane 4 is because we were expecting a time from the yellow timekeeper but never received one.

When queried, the red timekeeper for lane 3 admits being late and the chief timekeeper rules that times should be ignored. Click on **Edit Times**.

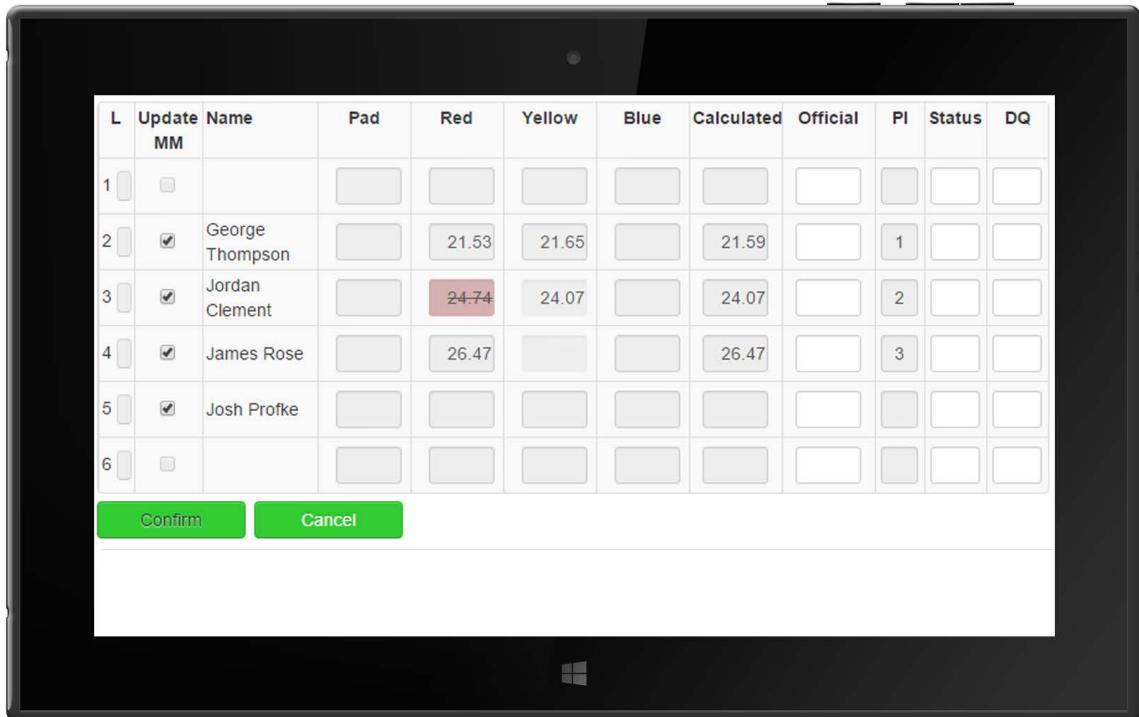
L	Update MM	Name	Pad	Red	Yellow	Blue	Calculated	Official	PI	Status	DQ
1	<input type="checkbox"/>										
2	<input checked="" type="checkbox"/>	George Thompson		21.53	21.65		21.59		1		
3	<input checked="" type="checkbox"/>	Jordan Clement		24.74	24.07		24.40		2		
4	<input checked="" type="checkbox"/>	James Rose		26.47			26.47		3		
5	<input checked="" type="checkbox"/>	Josh Profke									
6	<input type="checkbox"/>										
<input type="button" value="Confirm"/> <input type="button" value="Cancel"/>											

- + From the Edit Times view you are able to click on any of the timekeeper cells. When you do so their times will be struck through and the background colour will go red indicating that this time will be ignored. You will also see that the Timekeeper calculated time will update.

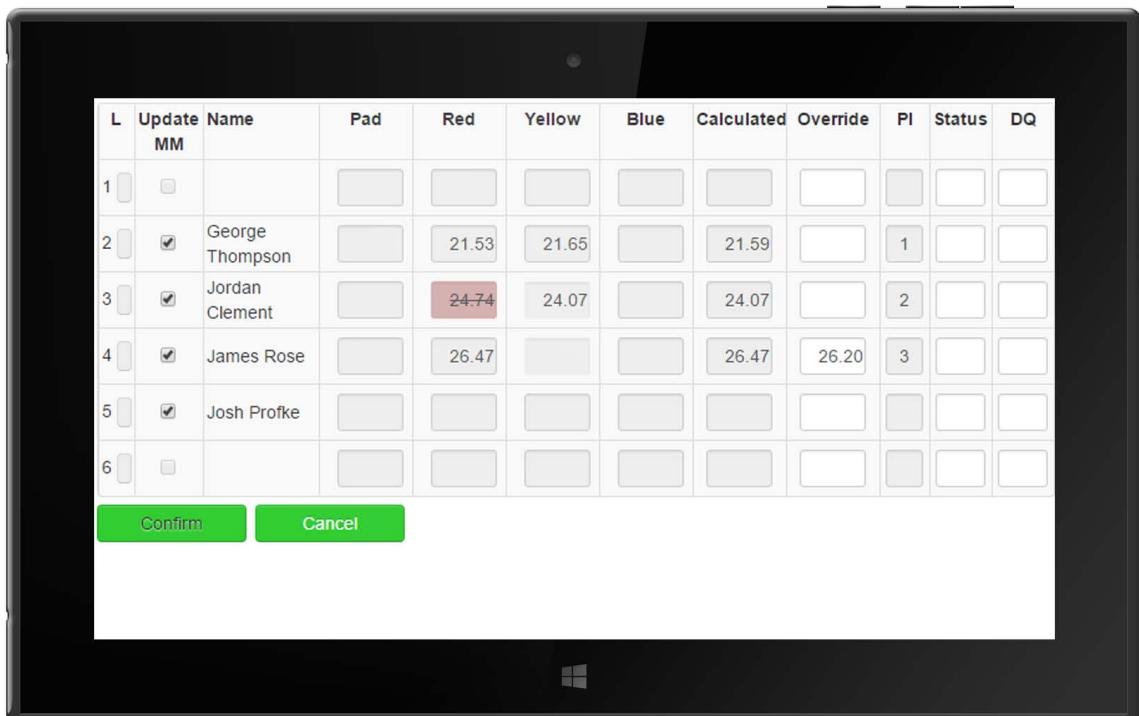
2

RECORDER APPLICATION

- So back to our example, we will click on the time for Lane 3 red timekeeper to mark it as ignored.



- And while we're here, the chief timekeeper informs us that the time for lane 4 is incorrect and should be amended to 26.20s. So we enter that value into the override column for lane 4.



- If there were any DNF/DNS or DQ's to enter then that could be accomplished by clicking on the Status cell for the appropriate lane. Likewise you can provide, the exact reason for a DQ by clicking on the DQ column of the appropriate lane.

2

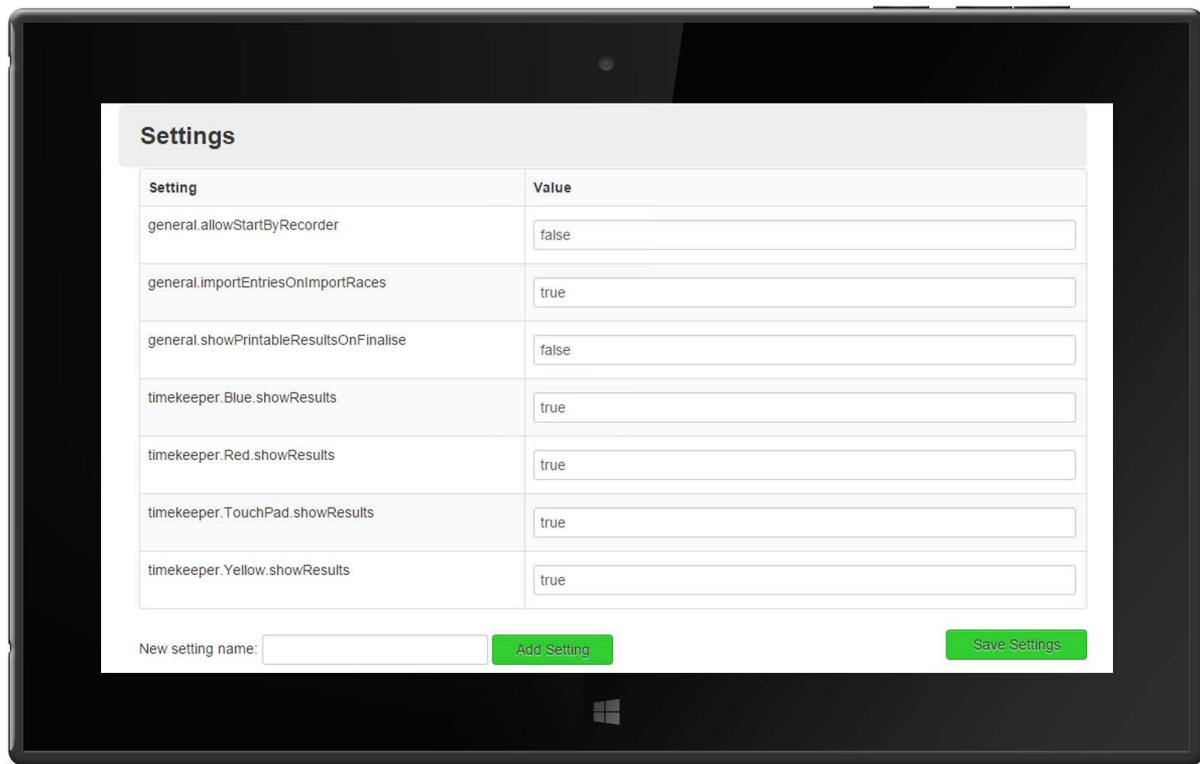
RECORDER APPLICATION

- After our modifications, click on Confirm and we get the results below. if the modifications has caused a change of position, we would see that reflected in the results.

L	Update Name MM	Pad	Red	Yellow	Blue	Calculated	Official	PI	Status	DQ
1	<input type="checkbox"/>	0	0	0	0					
2	<input checked="" type="checkbox"/> George Thompson	0	1 21.53	1 21.65	0	21.59	21.59	1	1	
3	<input checked="" type="checkbox"/> Jordan Clement	0	1 24.74	1 24.07	0	24.07	24.07	2	2	
4	<input checked="" type="checkbox"/> James Rose	0	1 26.47	1	0	26.47	26.20	3	3	
5	<input checked="" type="checkbox"/> Josh Profke	0	0	0	0					
6	<input type="checkbox"/>	0	0	0	0					
TouchPad minus Calculated										

2 RECORDER APPLICATION

+ Recorder Application - Recorder Settings



There are several settings that can be configured. To alter them, change the value to true or false and click on Save Settings.

- + general.allowStartByRecorder if true (default is false) a button will appear in Race tab allowing the race to be started by the Recorder.
- + general.importEntriesOnImportRaces if true (default) then as meet is imported from your meet manager the entries for each race are also imported. Otherwise the race will be imported without entries. Entries will need to be imported on a race by race basis from the Races tab.
- + general.showPrintableResultsOnFinalise if true (default is false) then two things occur. When a race is finalised another browser tab/window will open and display the results of the finalised race in a printable form. It also adds a new button to the Race tab that allows the results of any finalised race to be printed.
- + timekeeper.Blue.showResults if false (default is true) will hide the column for the Blue timekeeper in the Race Entries table.
- + timekeeper.Red.showResults if false (default is true) will hide the column for the Red timekeeper in the Race Entries table.
- + timekeeper.TouchPad.showResults if false (default is true) will hide the column for the TouchPad Timekeeper in the Race Entries table.
- + timekeeper.Yellow.showResults if false (default is true) will hide the column for the Yellow timekeeper in the Race Entries table.

3

WYLAS TIMING STARTER

Install the starter android application to the android device (must be a minimum of android 4.0). Downloadable from the Google Play Store.

+ WT Starter - Setting up Starter

+ Step 1:

Click on WT starter icon to start the application. The starter will try to automatically find and connect to the Recorder, after which you'll see a screen like the one on the right.

+ Step 2:

The menu icon  indicates that you have a connection to the Recorder server. Pressing on it will disconnect the starter from the Recorder.

+ Step 3:

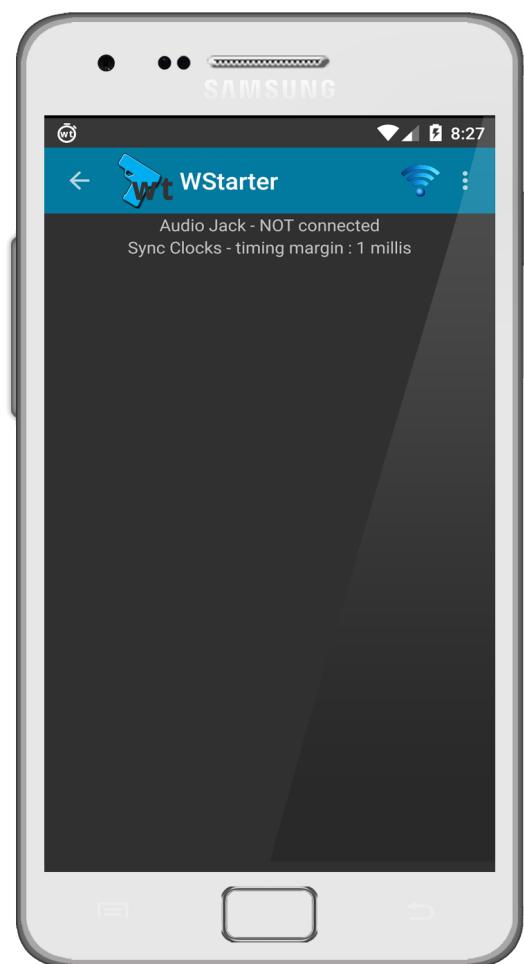
The icon will appear as  when the Starter is disconnected from the Server. Clicking on it when disconnected will connect to the Recorder server.

+ Step 4:

The state of the audio jack is also displayed. The Starter can be configured (via Settings) to accept a start signal sent through the device audio jack. This enables you to connect an existing electronic starter to the Wylas Timing Starter to start the race.

+ Step 5:

We can also see that the Starter has synchronised its clock with the Recorder and has a margin of 1 milliseconds.



3 WYLAS TIMING STARTER

+ WT Starter - Starter Settings

Install the starter android application to the android device (must be a minimum of android 4.0). Downloadable from the Google Play Store.

The vertical elipsis in the top right is the overflow menu. Clicking on it provides options like Settings.

Starter Settings lets you choose how you would like to be able to start a race. There are three options:

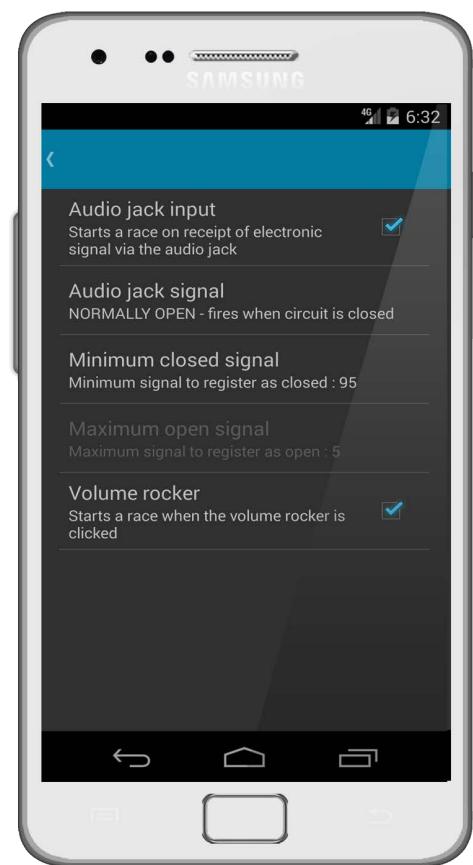
- Audio jack input from the output of a starting pistol
- Volume button is a click on either the volume up or down rockers
- User interface button is the soft Start Race button.

The audio jack is the preferred option as this means when the starting pistol fires, the race will be automatically started.

The starter must be connected to the starting pistol using a TS to TRRS headphone adapter cable. The microphone adapter section of a PC headset adapter provides the same capability, so if you cannot find a TS to TRRS adapter then you can use this instead.

The starter can be configured to accept OPEN, CLOSED or HEADSET_HOOK signals. The documentation for your starting pistol will provide the appropriate information. The one most commonly supported by starting pistols is CLOSED which is the default.

If you don't have a starting pistol with the electronic output then don't despair, you can still use the Wylas Timing system to automatically start your races. You will just need someone to manually start the race via the User interface button or the volume buttons on the Starter app or via the Recorder application.



+ WT Starter - Starting a Race

When a race is marshalled the details of the race will be displayed on the starter.

The **Start Race** button will be enabled if the User interface button settings is checked.

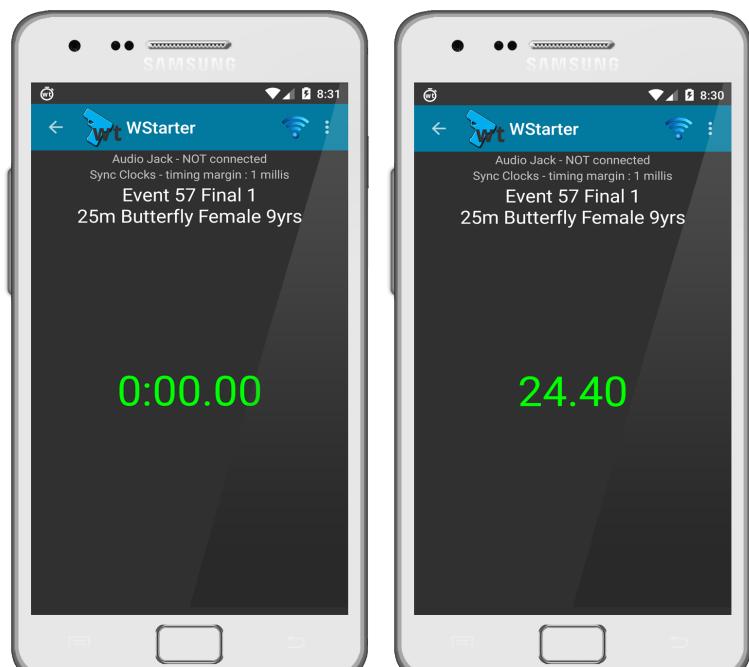
The race may now be started using any of the starting options that have been configured.

Once started the Starter will display a running clock of the elapsed time.

Subsequent fires of the starting pistol or the volume button will have no effect until the Recorder has marshalled a new race.

When the Recorder finalises a race, the user interface of the Starter will be updated to reflect that.

As soon as the Recorder marshals the next race, you are free to start it.



3 WYLAS TIMING TIMEKEEPER

Install the Timekeeper android application to the android device (must be a minimum of android 4.0). Downloadable from the Google Play Store.

+ WT Timekeeper - Setting up Timekeeper

+ Step 1:

Click on WT Timekeeper icon to start the application. The Timekeeper will try to automatically find and connect to the Recorder, after which you'll see a screen like the one on the right.

+ Step 2:

The menu icon  indicates that you have a connection to the Recorder server. Pressing on it will disconnect the Timekeeper from the Recorder.

+ Step 3:

The icon will appear as  when the Timekeeper is disconnected from the Server. Clicking on it when disconnected will connect to the Recorder server.

+ Step 4:

We can see that the Timekeeper has synchronised its clock with the Recorder and has a margin of error less than 2 milliseconds.

+ Step 5:

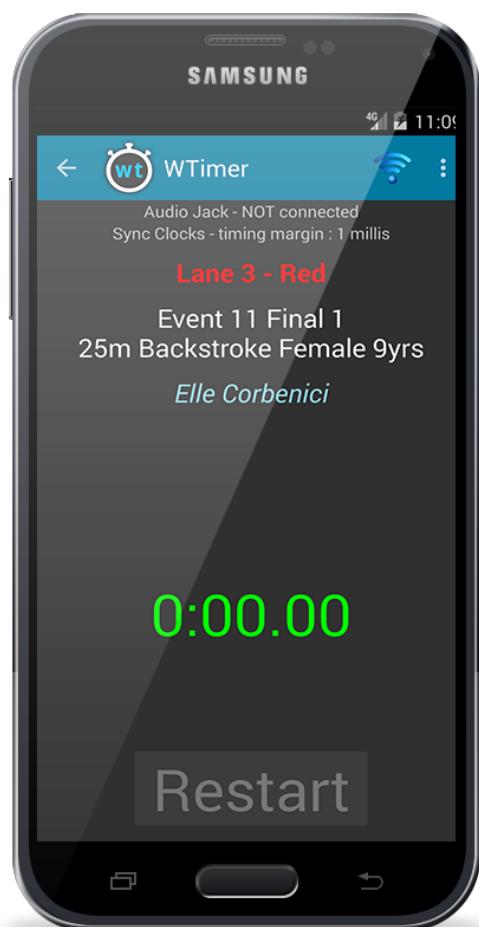
The Timekeeper displays the lane for which it has been configured. Wylas Timing supports up to 3 watches per lane. Red/Yellow/Blue. This watch has been configured as lane 3 Red.

+ Step 6:

Below that we have the time for the current race. It is zero since no race is currently running.

+ Step 7:

Finally we have the soft buttons that can be used to stop and restart the watch.



3 WYLAS TIMING TIMEKEEPER

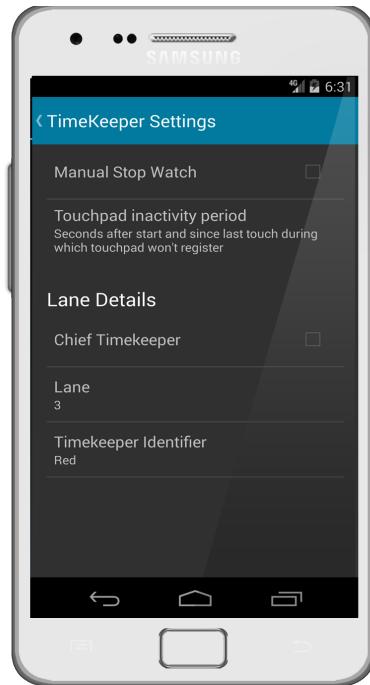
+ WT Timekeeper - Timekeeper Settings

The vertical ellipsis in the top right is the overflow menu. Clicking on it provides options like Timekeeper Settings and Timekeeper stop button Settings.

By default the Timekeeper app connects to the recorder and automatically starts the race, and automatically transmits the race results when the Timekeeper stops the clock. But by checking the Manual Stop Watch option, the Timekeeper app reverts to a simple stopwatch, making the timekeeper responsible for manually starting, stopping the clock as well as manually transcribing the result.

Wylas Timing allows for up to 3 timekeepers per lane. 2 timekeepers will have their time averaged, 3 will take the median time. Each timekeeper for a lane must be assigned their own colour (red, yellow or blue). **Lane Details** allow the timekeeper colour to be configured as well as the lane that they are timing.

Lane Details can be changed mid-race, they are only used at the point at which the clock is stopped.



Timekeeper stop button settings lets you choose how you would like to be able to stop a race. there are 3 options:

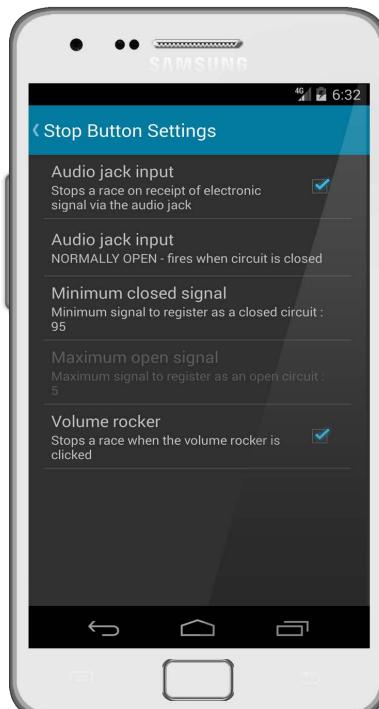
- Audio jack input from the output of button
- Volume button is a click on either the volume up or down rockers.
- User interface button is the soft Stop button.

The audio jack or volume rockers are the preferred options as they provide tactile feedback when the button is pressed.

In order to use the audio jack an OPEN/CLOSED or HEADSET_HOOK signal must be fed down the mic channel of the TRRS audio socket.

But you will probably find that using the volume rockers to stop the race is more adequate.

As a last resort you can stop the race using the user interface button. But it is not recommended as it is easy to accidentally stop the race early.



3

WYLAS TIMING TIMEKEEPER

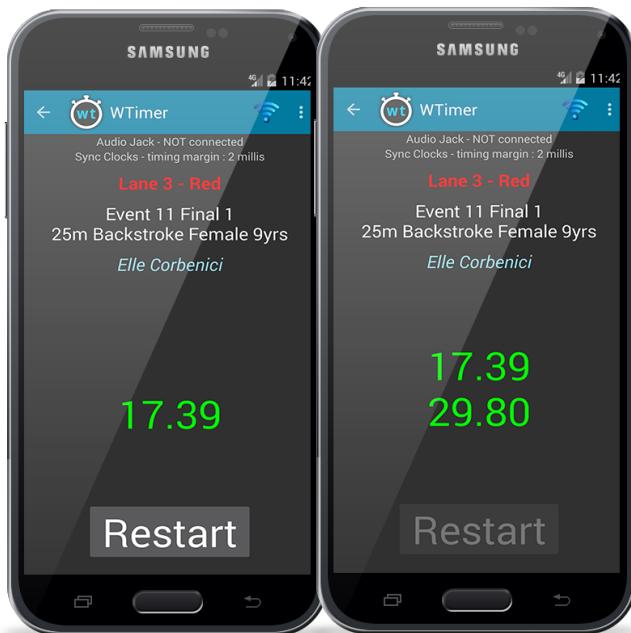
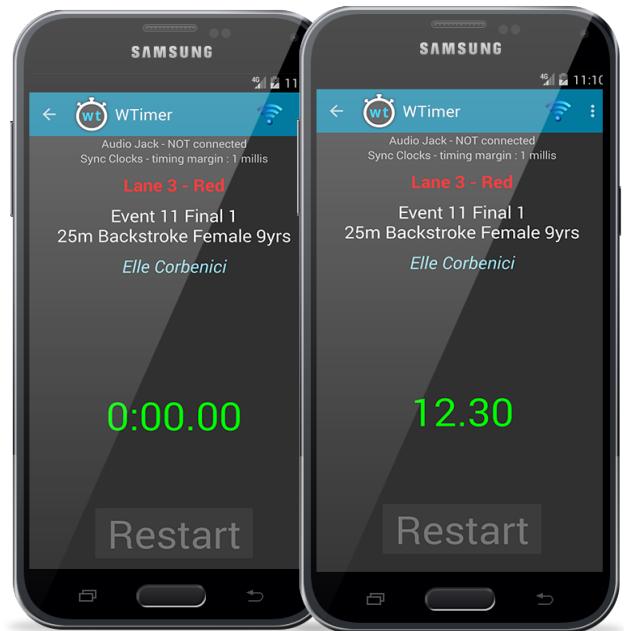
+ WT Timekeeper - Timing a Race

When a race is marshalled by the Recorder, the event details are displayed. We can see here that it is 'Event 57 Final 1; 25m Butterfly Female 9yrs'. This information comes directly in from your Meet Manager.

When the race is started, there is nothing for the timekeeper to do. The clock will be automatically started for all Timekeeper apps at the same time.

The stop mechanisms such as the Stop button, volume rockers and the audio jack input will become active and start listening for a stop signal.

When the Timekeeper stops the clock, the final time will be displayed, the Restart button will become enabled and the time will be automatically sent to the Recorder.



Pressing Restart starts the lower clock ticking from the point it would have been if it had never been stopped in the first place. The upper clock remains showing the last stop time.

When the Recorder finalises the race, all buttons will become inactive as the times are now final.

Nothing to do until the Recorder marshals the next race.

3

WYLAS TIMING DISPLAY

Install the Display android application to the android device you will be using as a display (must be a minimum of android 4.0). Downloadable from the Google Play Store.

You can use any android device as a display, ideally a flat screen TV, flat screen TV with an android HDMI dongle or large tablet.

+ WT Display - Setting up WT Display

+ Step 1:

Click on WT Display icon to start the application. NB. WT Display can be configured to start on device boot so that you just need to switch on your TV. The display will try to automatically find and connect the Recorder, after which you will see a screen like that below.



+ Step 2:

The menu icon indicates that you have a connection to the Recorder server. Pressing on it will disconnect the Timekeeper from the Recorder.

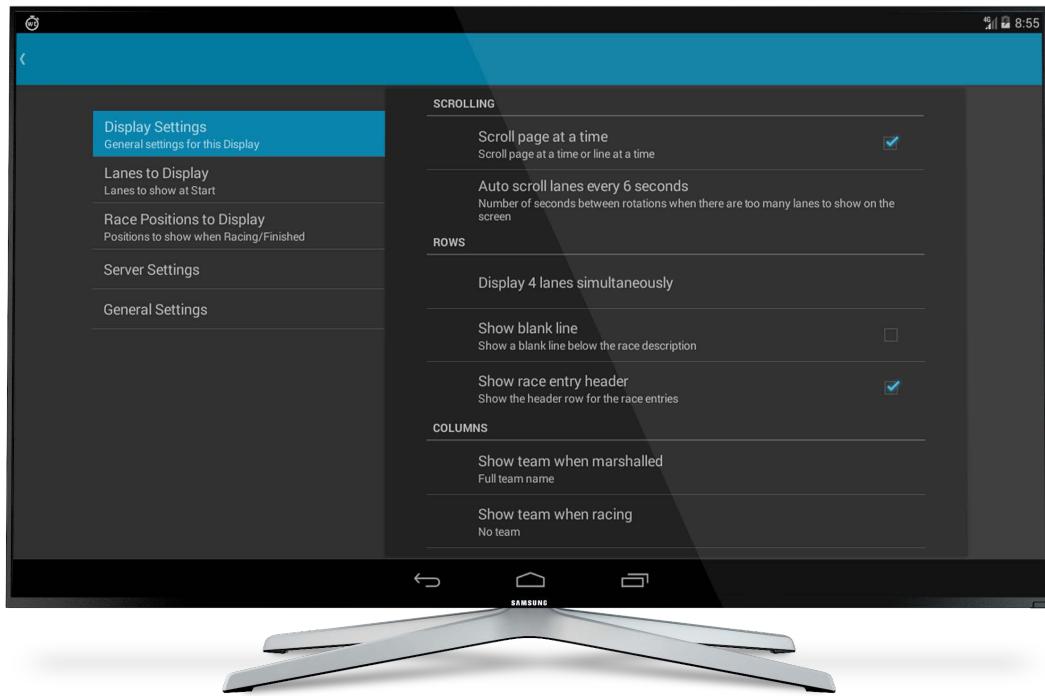
+ Step 3:

The icon will appear as when the Timekeeper is disconnected from the Server. Clicking on it when disconnected will connect to the Recorder server.

3 WYLAS TIMING DISPLAY

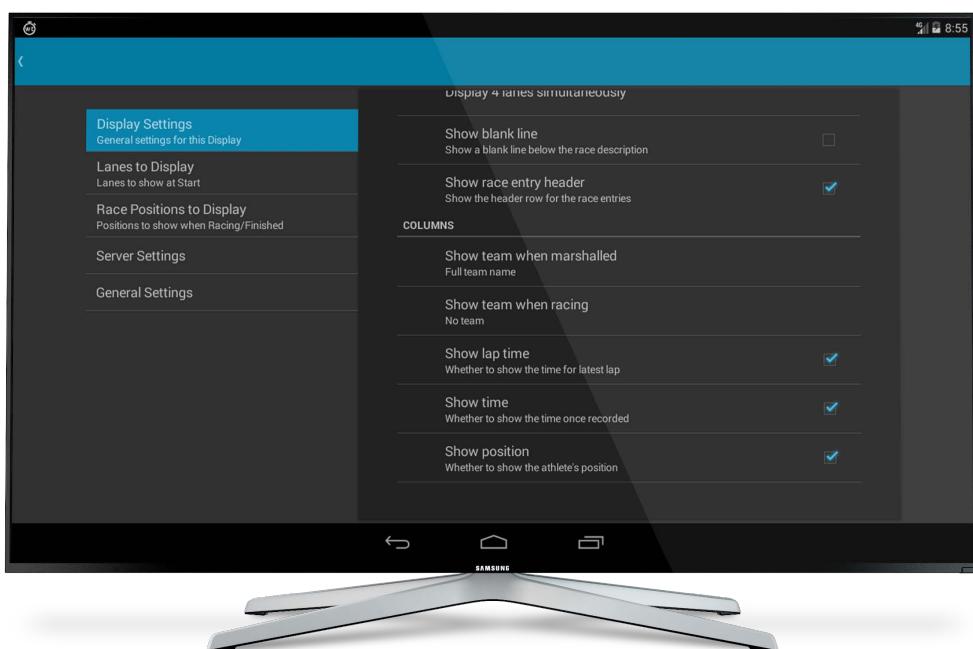
+ WT Display - Display Settings

You can configure most elements of the display, including which rows and columns to show and how and when to scroll..



+ WT Display - Display Lane Settings

If you have multiple displays, you can configure each display to only show certain lanes at the start of each race. For instance, your left hand display might only show those lanes on the left hand side of a pool.

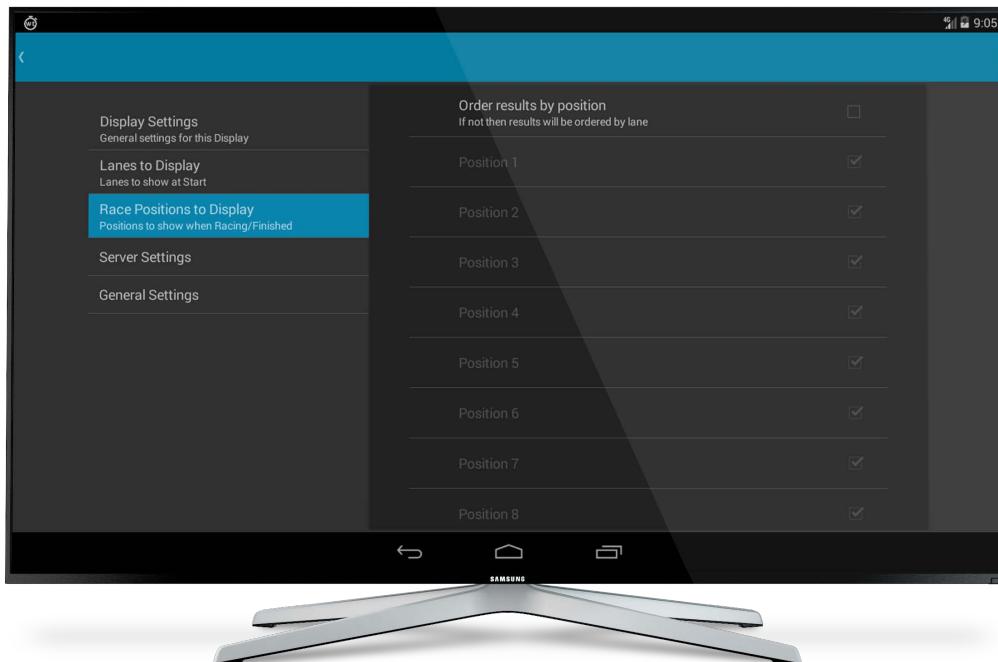


In the image above you can see it has been configured to show lanes 1 through 6. If more lanes are configured that can be displayed at one time, then the display will scroll through all the configured lanes.

3 WYLAS TIMING DISPLAY

+ WT Display - Race Position Settings

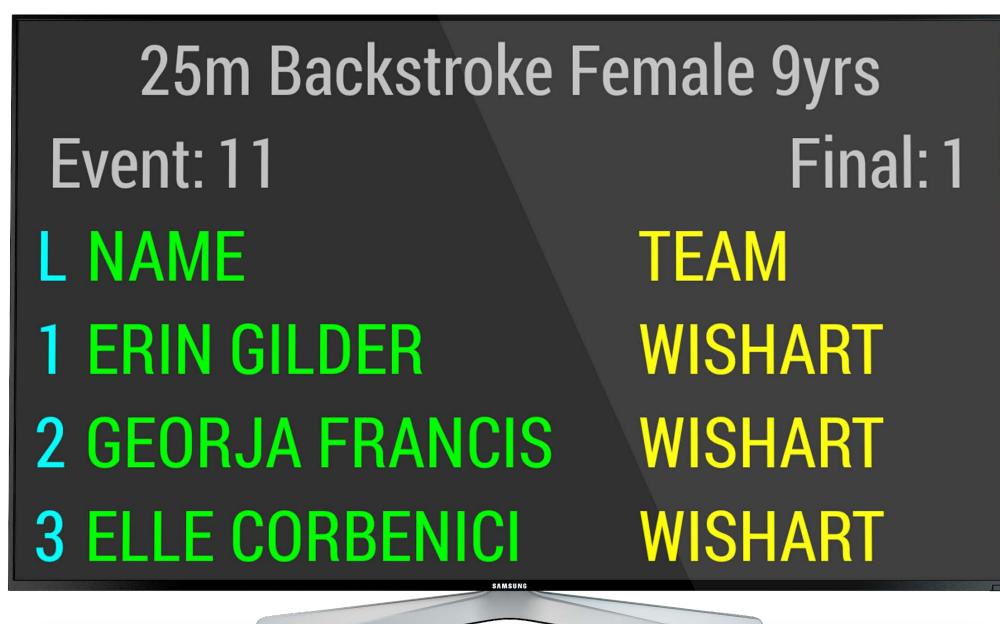
By default, Wylas Timing will display the results in position order. Ie 1st place at the top, then 2nd and so on. Alternatively, you can show results in lane order. If you have multiple displays, you can configure each display to only show certain race positions at the end of a race. For instance, your left hand display might only show those athletes that came 1st, 2nd or 3rd.



If more positions are configured than are able to be shown at one time then the display will scroll through all the configured positions.

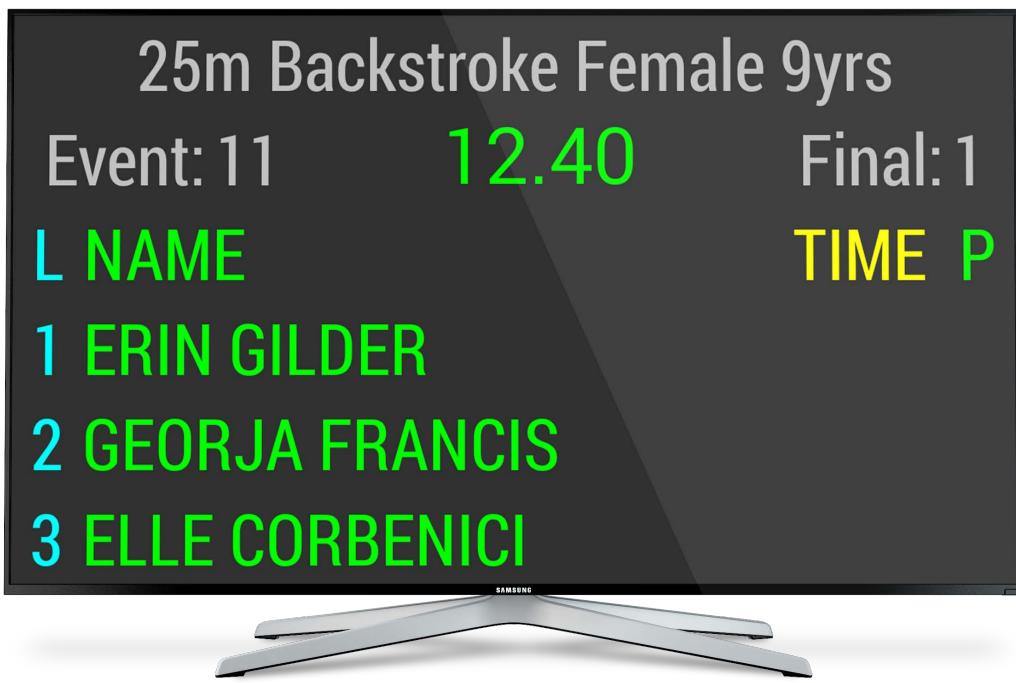
+ WT Display - Display a Race

When a race is marshalled the details for the race along with the athletes for each of the lanes configured in Display Lane Settings will be displayed.

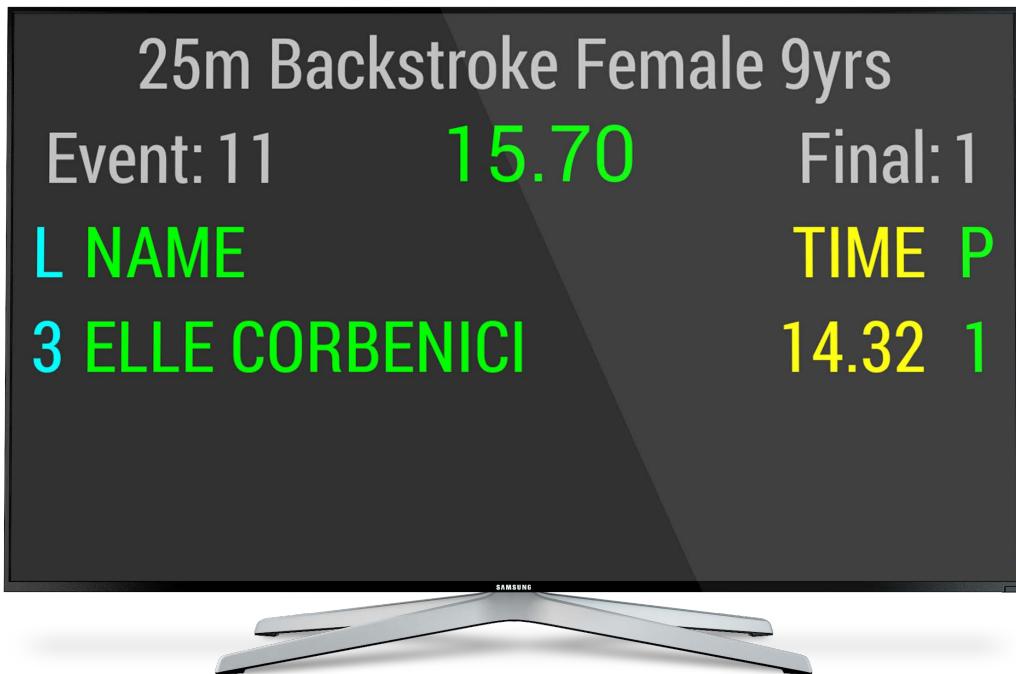


3 WYLAS TIMING DISPLAY

- + When a race is started the running clock will display on the screen.



- + As each time is recorded by a Timekeeper it will immediately appear on the Display.



3

WYLAS TIMING DISPLAY

- Each line shows the lane number, athlete name, time and position.

25m Backstroke Female 9yrs			
Event: 11		Final: 1	
L	NAME	TIME	P
5	MELINA THOMPSON	23.78	3
2	GEORJA FRANCIS	24.47	4
1	ERIN GILDER	25.12	5



- The clock will remain visible until the race has been finalised.

25m Backstroke Female 9yrs			
Event: 11	21.70	Final: 1	
L	NAME	TIME	P
3	ELLE CORBENICI	14.32	1
4	ISABELLA ROSER	18.02	2
6	HARMONY SOLEY	20.86	3



3

WYLAS TIMING DISPLAY

- + If an athlete is disqualified then the entire line is displayed in red in strikethrough.

25m Backstroke Female 9yrs		
Event:	Final:	
L NAME	TIME	P
3 ELLE CORBENICI	14.32	1
4 ISABELLA ROSEN	18.02	
6 HARMONY SOLEY	20.86	2

- + Once the race is finalised all the times will disappear. When the next race is marshalled a new list of athletes appear.

25m Backstroke Female 9yrs		
Event:	Final:	
L NAME	TIME	P
5 MELINA THOMPSON	23.78	3
2 GEORJA FRANCIS	24.47	4
1 ERIN GILDER	25.12	5

WYLAS TIMING COMMON ISSUES

If you run into any problems then contact support@wylas-timing.com for help. But some common issues and solutions are listed below.

+ Connecting the Wi-Fi router to an existing network

If you require the laptop to access a network printer or the internet via an existing network while allowing the Wylas Timing Recorder to be locatable by the Wylas Timing devices then you need to set up your timing network properly.

1. Connect the Wi-Fi router to the laptop using ethernet cable. Make sure that the cable is plugged into one of the four ports in the router (Not the internet port)
2. Turn on the Wi-Fi router. Wait until the lights indicate it has started.
3. Turn on the laptop. Wait until it has started.
4. Plug the Ethernet cable from your existing network into the internet port on the Wi-Fi router.

You should now be able to start the Wylas Timing Recorder and start the Wylas Timing Starter and Timekeepers and the devices will automatically locate the Wylas Timing Recorder. And when you print from the laptop it should find your normal network printer.

+ Connection problem #1 - Hardware

1. Turn off any Wi-Fi on the laptop
2. Plug the laptop into the WT router via Ethernet cable
3. Turn on the WT timekeeper and start the app

Start the WT recorder and wait for the "!!! Started Recorder !!!" message on the INFO page

The WT timekeeper should connect within the next 2 seconds

This is all that should be required to get you connected

If it still doesn't work, try rebooting the laptop (and ensuring that the Wi-Fi on the laptop is switched off)

+ Connection problem #2 - Firewall

The ability to contact the WT Recorder may also be getting blocked by Windows Firewall. This will occur when the WT recorder was first started and the Windows Firewall dialogue was shown, both public and private was not checked.

To fix this:

1. Start "Windows Firewall with Advanced Security"
2. Go to "Inbound Rules"
3. Find "Java (TM) Platform SE Binary - you may have multiple rows."
4. Look for those two rows that match C:\programfiles\java\jre\1.8.0_45\bin\javaw.exe they should have:
 - a. Profile: Private, Public
 - b. Enabled: yes
 - c. Action: Allow
5. If not, select those rows and use the Delete button on the right hand side to remove them.
6. Restart WT Recorder and when the Windows Firewall dialog shows, make sure that both Public and Private are checked and that you click OK to allow.

+ Support.

For any enquiries and questions regarding software and/or hardware please contact:

support@wylas-timing.com



Registered Address

96 Kavanagh Road
Wishart
QLD, 4122
Australia

Online

Email 1: media@wylas-timing.com
Email 2: support@wylas-timing.com
Website: www.wylas-timing.com