

TScore can integrate with the Eurotramp HSTS / QIRA automatic time-of-flight (ToF), HD and Synchro equipment.

This is a new feature of TScore that has had limited competition use so far. Please ensure that you have a manual backup in place. We also strongly advise that you use the QIRA Autosave option so that you can easily replay any ToF / HD results (see later).

The diagram below shows the way the systems communicate, so you can easily set them up in your network.

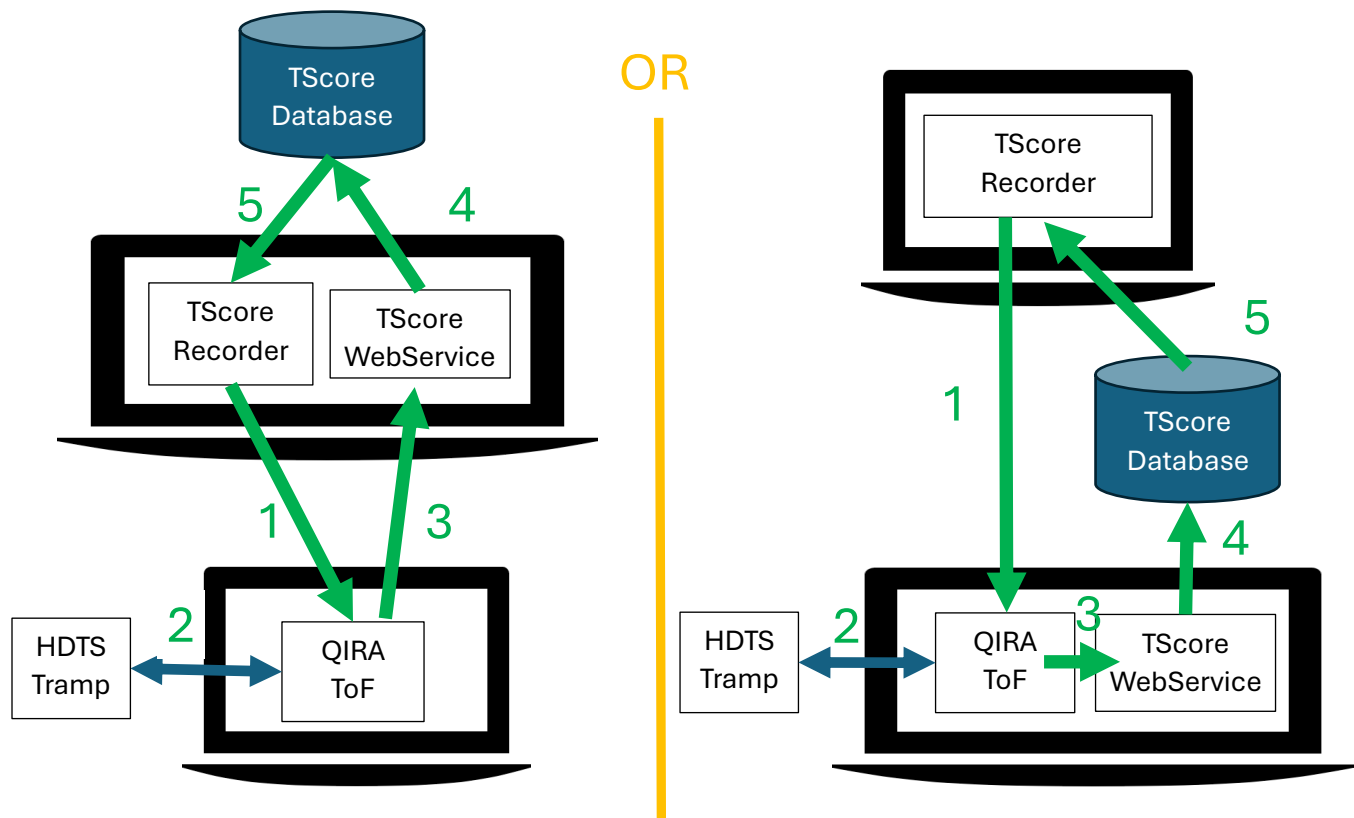
For the illustration, all devices are attached to the same network (192.168.0.x).

So for example, you may typically have the TScore data base running as 192.168.0.2.

The TScore Client for Panel 1 as 192.168.1.11

The QIRA ToF software is running on its own workstation – 192.168.1.41

The new 'TScore WebService' program running on either the TScore or QIRA laptop.



To communicate, each of the components has to know which computer the other component is running on (Its IP Address) and the number of the 'port' that the other computer is monitoring for data.

Each route needs to be allowed through the firewalls (if present). Windows will often prompt for this, but you can also run the TScore 'SystemCheck' PowerShell script to set the ones you need or do this manually.

The sequence of operations is as follows:

1. The TScore recorder selects the gymnast in the tablet scoring screen and clicks 'Start Scoring' TScore sends the gymnast details to QIRA, which displays them (Name, Club etc)
2. The Gymnast performs the routine with the QIRA operator doing the usual Start/Ed/Confirm actions.
3. Once the QIRA operator clicks 'Confirm' the results are sent to the TScore Webservice
4. The TScore Webservice pushes the results to the database
5. The TScore workstation detects the results and displays them for overall review and adjustment

Configuring the communication ports

Note that in the screenshots below, ALL components are running on a single computer (192.168.0.11).

The communications settings are applied as follows.

First you need to run QIRA on the chosen laptop, get it running properly (see the QIRA manual for instructions) and then set the address and port number for its listening service. This is done on the Config-Network screen

Network

IP-V4 address(es) of this computer

- 192.168.0.11
- 127.0.0.1

Server settings

☒ Enable HTTP server on port **11005**

Client settings

Label	URL		
<input checked="" type="checkbox"/> TScore	http://localhost:11006	<input type="radio"/> Check connection	Send sample result
<input type="checkbox"/> client2	http://192.168.1.100:8888/scoring	<input type="radio"/> Check connection	Send sample result
<input type="checkbox"/> client3	http://192.168.1.100:8888/scoring	<input type="radio"/> Check connection	Send sample result

☐ Show advanced settings

OK Cancel

Enable the HTTP Service and set the port to **11005**. This is where message from TScore will arrive to set the current gymnast name, club, round etc. when you click the TScore 'Start Scoring' button.

You also need to tell QIRA where to send its results. In our case, we want these to go to the TScore WebService (which you can choose to run either on the QIRA laptop or the TScore laptop).

In the 'Client settings' bit of the screen above, turn on the first client and give it a helpful name (TScore). Then set the URL to the correct laptop address and port. In this example, as we are running the TScore WebService on the same laptop as QIRA, so the address can be given as <http://localhost:11006> (where **11006** is the port number that the WebService will be listening to).

If you are running the TScore Web Service on the TScore laptop instead, you must set it to <http://> followed by the IP address of the TScore laptop, then ":11006". (Where 11006 is the port configured in the TScore web service).

For example, <http://192.168.0.11:11006>.

In summary then, for all of these examples, The main TScore program sends data to QIRA on port 11005 when you click 'Start Scoring'. QIRA sends data to the TScore Web Service on port 11006 when you click Confirm in QIRA.

We will verify the TScore connection later, once the TScore Web Service is running.

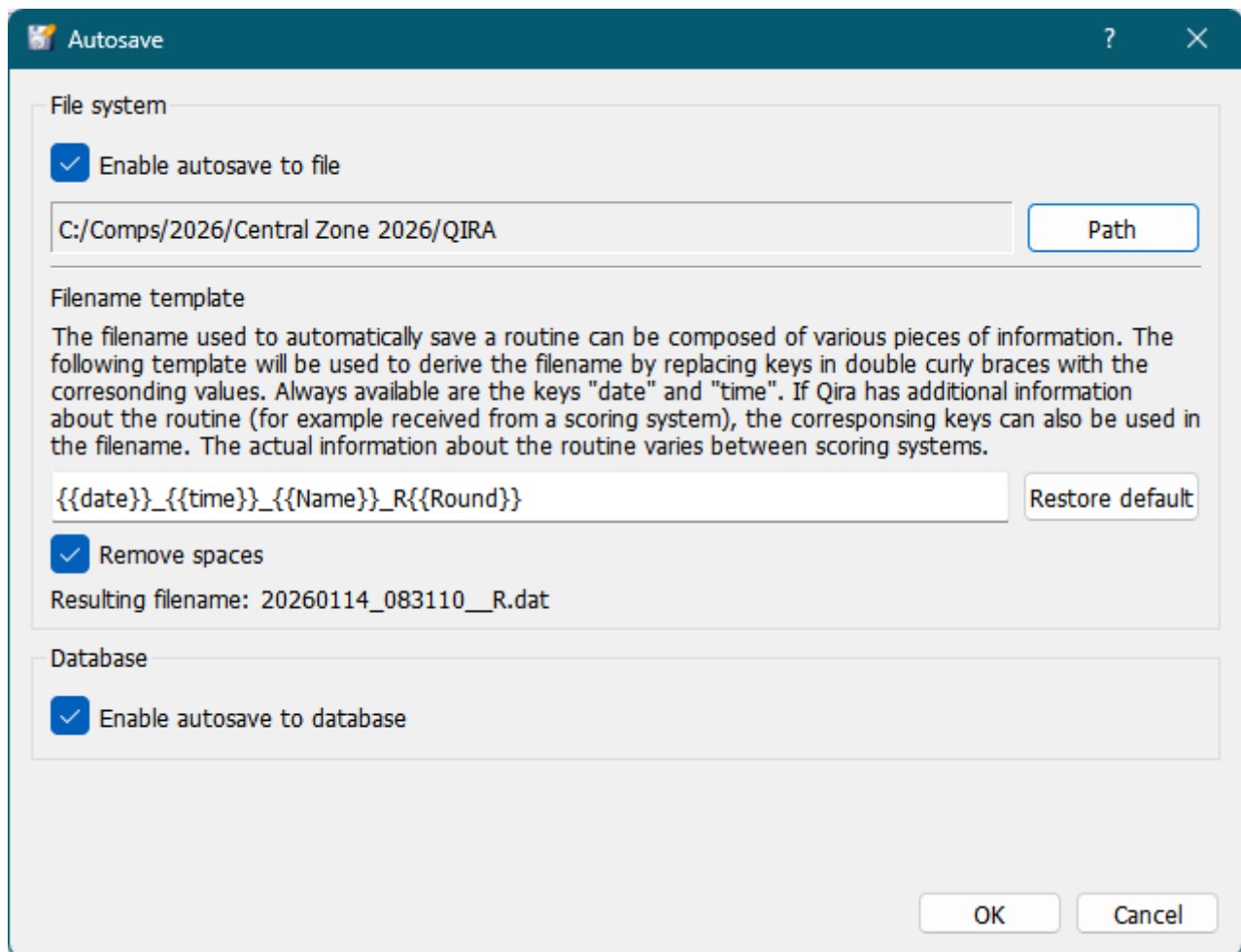
Click **OK** to save the settings.

NOTE: If you do not have the HDTS equipment available, you will need to perform a File=>Open File operation to load a test routine and get to the main working screen for QIRA. There is a Routine1.dat sample provided in the TScore web service folder for this. Unless you do this, you will be stuck on the 'No USB' screen of QIRA.

Setting QIRA 'Autosave' options

It is *strongly advised* that you configure QIRA to automatically save each recorded routine to file. This lets you reload and resubmit results in the event of a connection failure. To do this, pick Config=>Autosave, check 'Enable autosave to file' and set a suitable folder to save the results.

Set the filename template to something obvious and helpful – we suggest `{{date}}_{{time}}_{{Name}}_R{{Round}}`



The screenshot shows the 'Autosave' configuration window. It has a title bar with a question mark and a close button. The window is divided into three main sections: 'File system', 'Filename template', and 'Database'. In the 'File system' section, the checkbox 'Enable autosave to file' is checked. Below it is a text field containing the path 'C:/Comps/2026/Central Zone 2026/QIRA' and a 'Path' button. The 'Filename template' section contains a text area with the template 'The filename used to automatically save a routine can be composed of various pieces of information. The following template will be used to derive the filename by replacing keys in double curly braces with the corresponding values. Always available are the keys "date" and "time". If Qira has additional information about the routine (for example received from a scoring system), the corresponding keys can also be used in the filename. The actual information about the routine varies between scoring systems.' Below this is a text field with the template '>{{date}}_{{time}}_{{Name}}_R{{Round}}' and a 'Restore default' button. In the 'Database' section, the checkbox 'Enable autosave to database' is checked. At the bottom of the window are 'OK' and 'Cancel' buttons.

File system

☒ Enable autosave to file

C:/Comps/2026/Central Zone 2026/QIRA Path

Filename template

The filename used to automatically save a routine can be composed of various pieces of information. The following template will be used to derive the filename by replacing keys in double curly braces with the corresponding values. Always available are the keys "date" and "time". If Qira has additional information about the routine (for example received from a scoring system), the corresponding keys can also be used in the filename. The actual information about the routine varies between scoring systems.

{{date}}_{{time}}_{{Name}}_R{{Round}} Restore default

☒ Remove spaces

Resulting filename: 20260114_083110__R.dat

Database

☒ Enable autosave to database

OK Cancel

What happens if QIRA hasn't received the Gymnast data when the routine starts?

It is important to note that even if QIRA hasn't received the gymnast information from TScore, it will still record the ToF and HD information and send the results to TScore, as it purely checks for the currently scoring gymnast on the panel set by the TScore Web Service when it writes the scores.

In this case though, the QIRA autosave filename will be missing the name and round number, but you can still use the date/time marker to identify the routine. You might like to consider making a note of the actual time of each routine on a manual recording sheet for later cross-reference.

Note: If QIRA doesn't receive the gymnast information from TScore, you should check that the QIRA server address and port number are correctly set in the TScore Preferences->Panels tab, and that the QIRA HTTP Server is enabled with a matching port number in the QIRA Network Configuration screen.

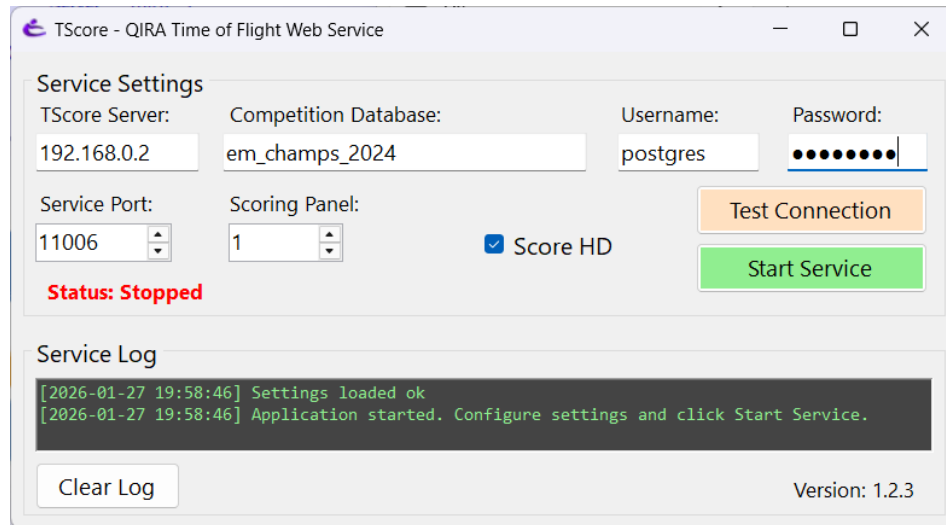
Once the first gymnast has been sent, QIRA will let you choose Name and Club (for example) to be shown on its screen – by right clicking in its display boxes.

Configure the TScore WebService

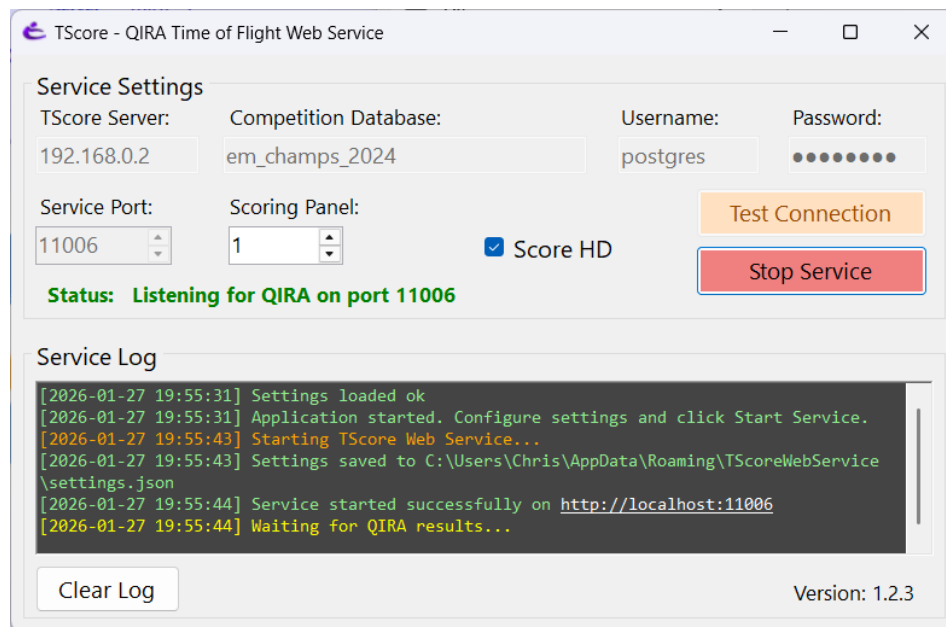
Start the TScore WebService program `C:\Program Files (x86)\TScore\TScore-WebService\TScoreWebService.exe`

In here, you need to set the **TScore Database Server** address, the name of the competition database, and the PostgreSQL username and password. (these are usually both 'postgres'). Leave the 'Score HD box' checked.

You can test the database connection by clicking the Test Connection button.



Now set the Port number for this web service to 'listen' to – we suggest you use **11006** – and choose the scoring panel to which this particular QIRA relates. Click '**Start Service**' and you can now leave this service running.



At this point you can hop back to the QIRA Network Config screen and click "Check Connection" for the TScore service. The light there should turn green and you will see a message in the TScore Web Service screen.

Once you are satisfied that the service is running correctly, you may minimise the service window.

Configure TScore

In TScore, go to Preference – Panels and turn on the “Connected Time of Flight Equipment” switch.

Note: If TScore is not licensed for the optional Automated Time of Flight module, it will report an error here. Please ensure that all TScore laptops being used at your event have this license feature enabled.

Preferences

Display Entry Processing **Judging Panels** Printing Rules System Licence

Judging Panels

Connected Time of Flight Equipment ☒

*Shared Apparatus Panels ☒

	* Number of Judges		* Tablet entry		* Connection Status							* Automated Time of Flight & HD						
	Execution	2HD Art/Sync	Ex HD	Split	J1	J2	J3	J4	J5	J6	H1	H2	ToF	HD	IP Address	Port	Status	
Panel 1	4	[Left][Right]	<input type="checkbox"/> [Left][Right]	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	●	●	●	●				●	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.0.11	11005	●
Panel 2	4	[Left][Right]	<input type="checkbox"/> [Left][Right]	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	●	●	●	●				●	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.0.12	11005	●
Panel 3	4	[Left][Right]	<input checked="" type="checkbox"/> [Left][Right]	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	●	●	●	●			●	●	<input type="checkbox"/>				
Panel 4	4	[Left][Right]	<input checked="" type="checkbox"/> [Left][Right]	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/>	●	●	●	●			●	●	<input type="checkbox"/>				
Panel 5	2	[Left][Right]	<input type="checkbox"/> [Left][Right]	<input type="checkbox"/> <input type="checkbox"/>										<input type="checkbox"/>				
Panel 6	2	[Left][Right]	<input type="checkbox"/> [Left][Right]	<input type="checkbox"/> <input type="checkbox"/>										<input type="checkbox"/>				
Panel 7	2	[Left][Right]	<input type="checkbox"/> [Left][Right]	<input type="checkbox"/> <input type="checkbox"/>										<input type="checkbox"/>				
Panel 8	2	[Left][Right]	<input type="checkbox"/> [Left][Right]	<input type="checkbox"/> <input type="checkbox"/>										<input type="checkbox"/>				

Range and Conditioning 0 [Left][Right]

Timing

*Warmup time per entrant 2 mins

*2-Bed warmup adjustment 67 %

Blue light shows pending scores. Click light to clear.

Not connecting?

- Check tablet wifi
- Check app panel
- Check app judge
- Click red light

* Saved with each competition

Auto-retry connections ☒

Connect Reset

Save

Save Defaults

Reload Judges

Reset Officials

Cancel

Then pick the ToF and HD boxes for each of panels that are using the QIRA system and fill in the IP Address and Port number to use. (To find the IP Address of the QIRA computer, just start a command shell and type *ipconfig*. The IPv4 value should be of the form 192.168.x.y Alternatively, the QIRA network config screen shows its IP address.

Set a value of **11005** for the port number – this matches the QIRA HTTP Server configuration that you set above.

To test the connection to QIRA, just click the red light to the right of the port number. If all is well, the red light will change colour to cyan. (note – uncheck the ‘2HD’ box)

Click Save to save the settings.

Preferences

Display

Entry Processing

Judging Panels

Printing

Rules

System

Licence

Judging Panels

Timing

Connected Time of Flight Equipment ☒

*Warmup time per entrant 2 mins

*Shared Apparatus Panels ☒

*2-Bed warmup adjustment 67 %

* Number of Judges

Execution	2HD	Art/Sync	* Tablet entry	Ex HD	Split	* Connection Status	* Automated Time of Flight & HD	
						J1 J2 J3 J4 J5 J6 H1 H2	ToF HD IP Address Port	
Panel 1	4	<input type="checkbox"/>	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div> 192.168.0.1111005
Panel 2	4	<input type="checkbox"/>	4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div> 192.168.0.1211005
Panel 3	4	<input checked="" type="checkbox"/>	4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
Panel 4	4	<input checked="" type="checkbox"/>	4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
Panel 5	2	<input type="checkbox"/>	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
Panel 6	2	<input type="checkbox"/>	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
Panel 7	2	<input type="checkbox"/>	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>
Panel 8	2	<input type="checkbox"/>	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div></div>

Range and Conditioning 0

Auto-retry connections ☒

Connect

Reset

Save

Save Defaults

Reload Judges

Reset Officials

Cancel

* Saved with each competition

Blue light shows pending scores. Click light to clear.

Not connecting?

1. Check tablet wifi

2. Check app panel

3. Check app judge

4. Click red light

Now go to the TScore Scoring screen and choose a class that has Time of Flight and is on Panel 1.
You should see the usual tablet scoring screen, where you click Start Scoring

EM Regional Championships 2024 Hinckley Leisure Centre 13th October 2024

Select Panel and Class

3 Entrants

Day 1 Panel 1 9.00

Trampoline

Event

All

Panel

All

Class

Level 5 - Women 18+

Finish

Print

Edit

Help

Close

<< Gymnast 3 >>

Kalayla-Rose Brown

1

Round 1

Round 2

Stop Scoring

NTGA A

Tablet Scoring

1 2 3 4 5 6 7 8 9 10 End Score

Judge 1

Judge 2

HD 1

HD tot

ToF

Penalty

Moves

Median

Execution

Exec + HD

Total

Posn

Name	Club	Flt	Ord	R1	R2	Total	Posn	Wd
Freya Portrey	NTGA A	1	669					
Evie Baker	NTGA A		723					
Kalayla-Rose Brown	NTGA A	1	824					

The lights start as red, then all turn amber or cyan as connections are acknowledged from the tablets or QIRA.

In QIRA itself, you will see the gymnast’s details appear:

Qira v2.4.0

File Config Results Structure Database Training View Help

State

NO USB

Configuration

TARA

Tramp select

Automatic

Weight Class

Automatic

REVIEW

Log

Enable autosave to file to see the log.

Individual Synchronized

Started after

Penalty

Deduction from

0

Arrow keys up and down

Routine shifted

0

Arrow keys left and right

Name

Club

Kalayla-Rose Brown

NTGA

Right-click to select highlight information

Right-click to select highlight information

Class

Level 5 - Women 18+

Enrant

192

Round

1

CONFIRM

press space

DISMISS

press X

Horizontal Displacement

0.0

Time-of-Flight

0.0000

Tramp 1 selected

S:/VB Projects/Qira/Routine1.dat

AutoSave off

Routine Information

Scoring System 1: TScore

HTTP Server

WebSocket Server

Note: You need to right click and pick ‘Name’ and ‘Club’ to show those details in the two Information boxes each time you restart QIRA.

The Name and Club options are available the first time QIRA receives a ‘Start Scoring’ instruction from TScore.

You can now test the response from QIRA by opening its Config => Network dialog again and clicking the ‘Send Sample Result’ button for the TScore client.

You should immediately see the results listed in the TScore WebService window.

TScore - QIRA Time of Flight Web Service

Service Settings

TScore Server:

192.168.0.11

Competition Database:

zzz_test_em_rchamps_2024

Username:

postgres

Password:

.....

Service Port:

11006

Scoring Panel:

1

Test Connection

Status: Listening for QIRA on port 11006

Stop Service

Service Log

[2025-11-08 17:27:43] Service started successfully on http://localhost:11006

[2025-11-08 17:27:43] Waiting for QIRA results...

[2025-11-08 17:29:37] Received routine result (length: 2806 chars)

[2025-11-08 17:29:37] Element 1: ToF: 1,735ms (1.735s), HD: 2

[2025-11-08 17:29:37] Element 2: ToF: 1,585ms (1.585s), HD: 0

[2025-11-08 17:29:37] Element 3: ToF: 1,570ms (1.570s), HD: 0

[2025-11-08 17:29:37] Element 4: ToF: 1,545ms (1.545s), HD: 2

[2025-11-08 17:29:37] Element 5: ToF: 1,500ms (1.500s), HD: 0

[2025-11-08 17:29:37] Element 6: ToF: 1,500ms (1.500s), HD: 0

[2025-11-08 17:29:37] Element 7: ToF: 1,520ms (1.520s), HD: 0

[2025-11-08 17:29:37] Element 8: ToF: 1,520ms (1.520s), HD: 0

[2025-11-08 17:29:37] Element 9: ToF: 1,505ms (1.505s), HD: 1

[2025-11-08 17:29:37] Element 10: ToF: 1,510ms (1.510s), HD: 0

[2025-11-08 17:29:37] Individual: 10 elements, ToF: 15.490s, HD: 9.50

[2025-11-08 17:29:38] Saved ToF for Kalayla-Rose Brown (-192), Round: 1

[2025-11-08 17:29:38] Saved HD for Kalayla-Rose Brown (-192), Round: 1

[2025-11-08 17:29:38] Updated Panel Status to ScoreOK

Clear Log

And then appear in TScore itself as the HD and ToF lights turn green.

EM Regn Champs 2024 TEST LOADING Hinckley Leisure Centre 13th October 2024

Select Panel and Class

3 Entrants

Day 1 Panel 1 11.00

Trampoline

Event

All

Panel

Panel 1

Class

Level 5 - Women 18+

Finish

Print

Edit

Help

Close

<< Gymnast 1 >> Kalayla-Rose Brown

NTGA

1

Round 1

Round 2

Stop Scoring

Tablet Scoring

1 2 3 4 5 6 7 8 9 10 End Score

Judge 1

Judge 2

HD

9.50

ToF

15.49

Penalty

Moves

Median

Execution

Exec + HD

9.50

Total

24.99

Posn

HD 1 2 0 0 2 0 0 0 0 1 0

9.50

Name	Club	Flt	Ord	R1	R2	Total	Posn	Wd
Kalayla-Rose Brown	NTGA	1						
Evie Baker	NTGA	1		38.59	40.89	79.48	1	
Freya Portrey	NTGA	1		24.99		24.99	2	

The Form judges enter their scores as usual on the tablets:

EM Regn Champs 2024 TEST LOADINGHinckley Leisure Centre13th October 2024

Select Panel and Class

3 EntrantsDay 1Panel 111.00

Trampoline

Event

All

Panel

Panel 1

Class

Level 5 - Women 18+

X

Finish

Print

Edit

Help

Close

<< Gymnast 1 >> Kalayla-Rose Brown

NTGA

1

Round 1

Round 2

Start Scoring

Save

Resume Scoring

Undo

Cancel

Zero Score

Clear All

Copy Scores

Tablet Scoring

12345678910EndScore

Clear

Judge 1

22212122212

8.1

Clear

Judge 2

22232323223

7.4

Clear

HD

9.50

Median

15.50

Execution

15.50

ToF

15.49

Clear

Penalty

Moves

Clear

HD 1

20020000010

9.50

Name	Club	Flt	Ord	R1	R2	Total	Posn	Wd
Kalayla-Rose Brown	NTGA	1						
Evie Baker	NTGA	1		38.59	40.89	79.48	1	
Freya Portrey	NTGA	1		24.99		24.99	2	

You can then set the difficulty, penalties etc. and save the scores.

Note that if the gymnast has an interrupted routine, the ‘Moves’ box will be set according to the moves counted in QIRA. You can subsequently override this by typing the number of moves yourself. The Execution, HD and ToF scores are adjusted accordingly.

EM Regn Champs 2024 TEST LOADINGHinckley Leisure Centre13th October 2024

Select Panel and Class

3 EntrantsDay 1Panel 111.00

Trampoline

Event

All

Panel

Panel 1

Class

Level 5 - Women 18+

X

Finish

Print

Edit

Help

Close

<< Gymnast 1 >> Kalayla-Rose Brown

NTGA

1

Round 1

Round 2

Start Scoring

Save

Undo

Zero Score

Clear All

Copy Scores

Tablet Scoring

12345678910EndScore

Clear

Judge 1

22212122212

5.8

Clear

Judge 2

22232323223

5.4

Clear

HD

8.05

Median

11.20

Execution

11.20

ToF

10.96

Clear

Penalty

Moves

Clear

HD 1

20020000010

6.60

Flight times per move

1=1.735 2=1.585 3=1.570 4=1.545 5=1.500

6=1.500 7=1.520 8=1.520 9=1.505 10=1.510

Name	Club	Flt	Ord	R1	R2	Total	Posn	Wd
Kalayla-Rose Brown	NTGA	1		40.49		40.49	2	
Evie Baker	NTGA	1		38.59	40.89	79.48	1	
Freya Portrey	NTGA	1		24.99		24.99	3	

If for any reason you need to manually override the ToF, then use the ‘Clear’ button to remove the per-move scores in the background before entering your new total (otherwise it will just be reset when it recalculates them!)

For Synchro, operation is broadly similar, but you will see a Synchro store rather than ToF, and there will be 2 sets of HD scores displayed.

TScore Tablet Scoring Entry – General Advice and troubleshooting

The QIRA integration relies on the use of the TScore Tablet entry system. Instructions for this are covered elsewhere, but here are a few handy tips.

1. Do not use a 'public' Wi-Fi!
 - a. The network may get swamped once spectators arrive
 - b. Peer-to-peer communications may be blocked
 - c. Specific network ports may be blocked (5432, 8080, 8088, 11000-11006)
 - d. FTP may be blocked
 - e. DHCP may kick you off if it gets busy
 - f. Use power banks for each tablet to avoid battery issues. Tablet battery lifetime varies dramatically by vendor and model. You can power them directly, but the use of power banks saves a lot of cabling.
2. Configure your tablet network connection to use a static IP address
 - a. Use the subnet of your router: Normally 192.168.0.x or 193.168.1.x
 - b. Disable DHCP on your router(s)
 - c. Manually assign discrete ranges for device types.
(e.g. Routers and Database server .0 to .9, Laptops .11 to .99, Tablets .201 to .250)
 - d. When setting Tablet IP Addresses, set DNS to 0.0.0.0 - this can reduce tablet 'network hopping'
 - e. Enable Android Developer Mode to control screen blanking / power-saving etc
 - f. Disable any automatic network switching options and power-saving
3. If the tablets stop responding, these are the things to check
 - a. Does the 'Refresh' button load the next competitor ok? If so, use this workaround until you can get to a short pause in proceedings
 - b. Is the tablet still connected to the correct wi-fi? (in v3.1.4 click the bottom right button to check)
 - c. Go to the tablet's Internet settings and turn the wi-fi off and on again, ensuring it connects to the correct network. (You can click 'Reconnect' in the app to take you straight to the settings screen)
 - d. If this still doesn't work, stop and restart the TScore app
 - e. If this still doesn't work, stop and restart the tablet
4. Intermittent failures / dropped connections
 - a. Check for other signals interfering with the wi-fi. Prime candidates are:
 1. Someone with a cell phone running a hotspot in close proximity (3m or less) to your router;
 2. Network/usb adapters too close to the router (< 30cm or so).Either of these can cause the router to switch off its signal!
 - b. Use an Android app such as 'WiFi Analyzer' to see the signals from your router and possible conflicting sources. You may need to swap your router to a less congested channel (although most devices auto-hop to find space these days).
 - c. Be sure to 'forget' any other wi-fi connections on your tablet if they are within range. Tablets will often try other networks to try to find an Internet connection.
 - d. When you connect to your wi-fi, you may get a prompt saying something like 'no Internet connection available. Do you want to stay on this network?' Check the 'do not ask me again' box and click **Yes**.
 - e. There is a useful developer mode switch on Android to 'Enable Wi-Fi verbose logging', which shows possibly help connection details in the Wi-Fi select options screen.