

# Technical Note

## - ARES 21 Configuration – Startup and Pool Configuration



Document revision

ID	Date	Updates
1	29/02/2024	First release
2		

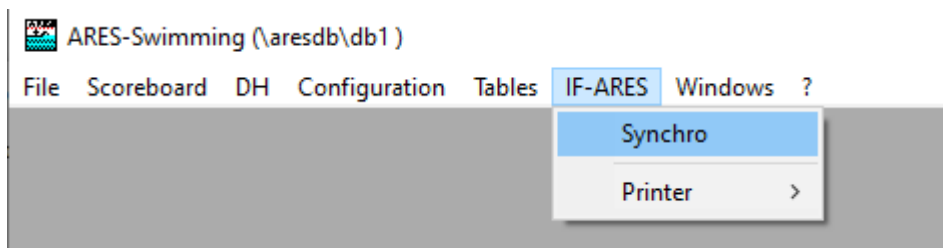
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## 1 ARES Synchro

The ARES 21 should be time Synchronized when it is first switched on. This sets the time of day on the ARE21.

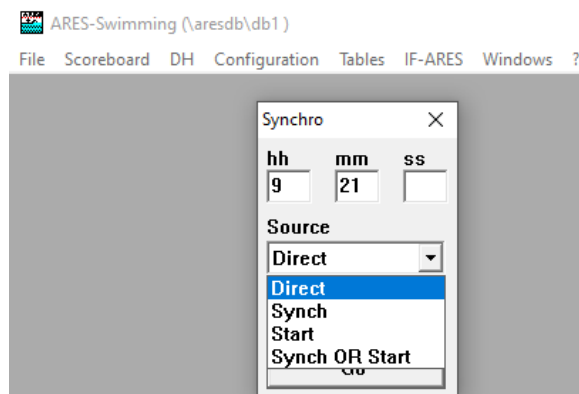
This is done by selecting the IF-ARES > Synchro from the ARES menu: -



There are a number of Sync option as below:-

- Direct: the IF-ARES will be synchronized when you press <GO>.
- Start: the IF-ARES will be synchronized when an impulse occurs on the start input.
- Synch: the IF-ARES will be synchronized when an impulse occurs on the synch input.

In most cases select Direct as this will Synchronize the ARES box with the connected ARES PC.

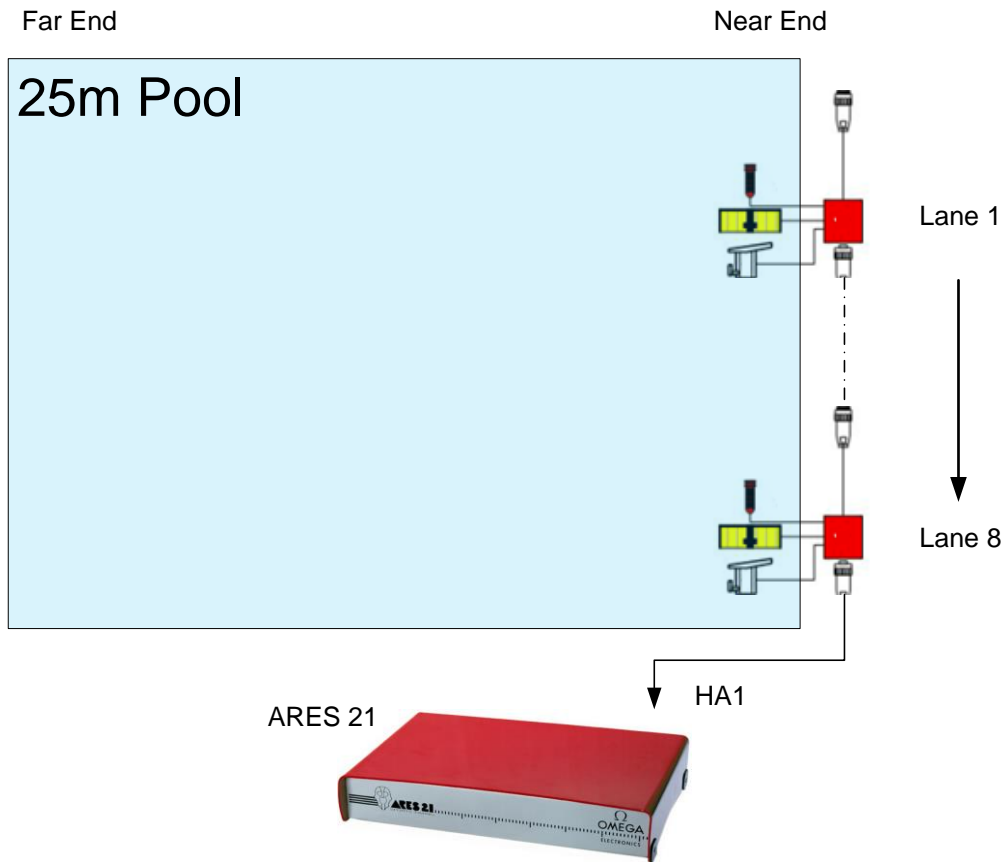


Press the GO button in the menu to complete the Synchronization.

**Note:** If you need to Re-Synchronization the ARES it first must be power cycled.

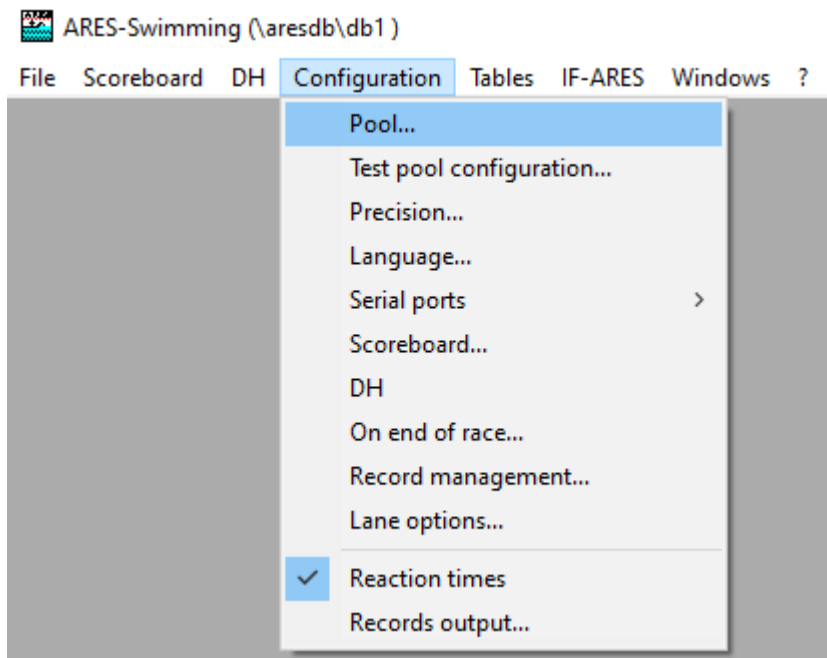
## 2 ARES21 Pool Configuration 25m.

Below is a typical 25m Pool configuration.



The Pool configuration is selected from the ARES main Menu:-

Configuration > Pool



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Once selected, the below pool configuration panel is displayed.

Module #	<-->	Lane #
1	<-->	1
2	<-->	2
3	<-->	3
4	<-->	4
5	<-->	5
6	<-->	6
7	<-->	7
8	<-->	8
	<-->	
	<-->	

Note: If the pool lanes are numbered in a different order you will have to update the relative Lane #.

Press the **Contact** button to select the Harness buttons functions and starter trigger polarity.

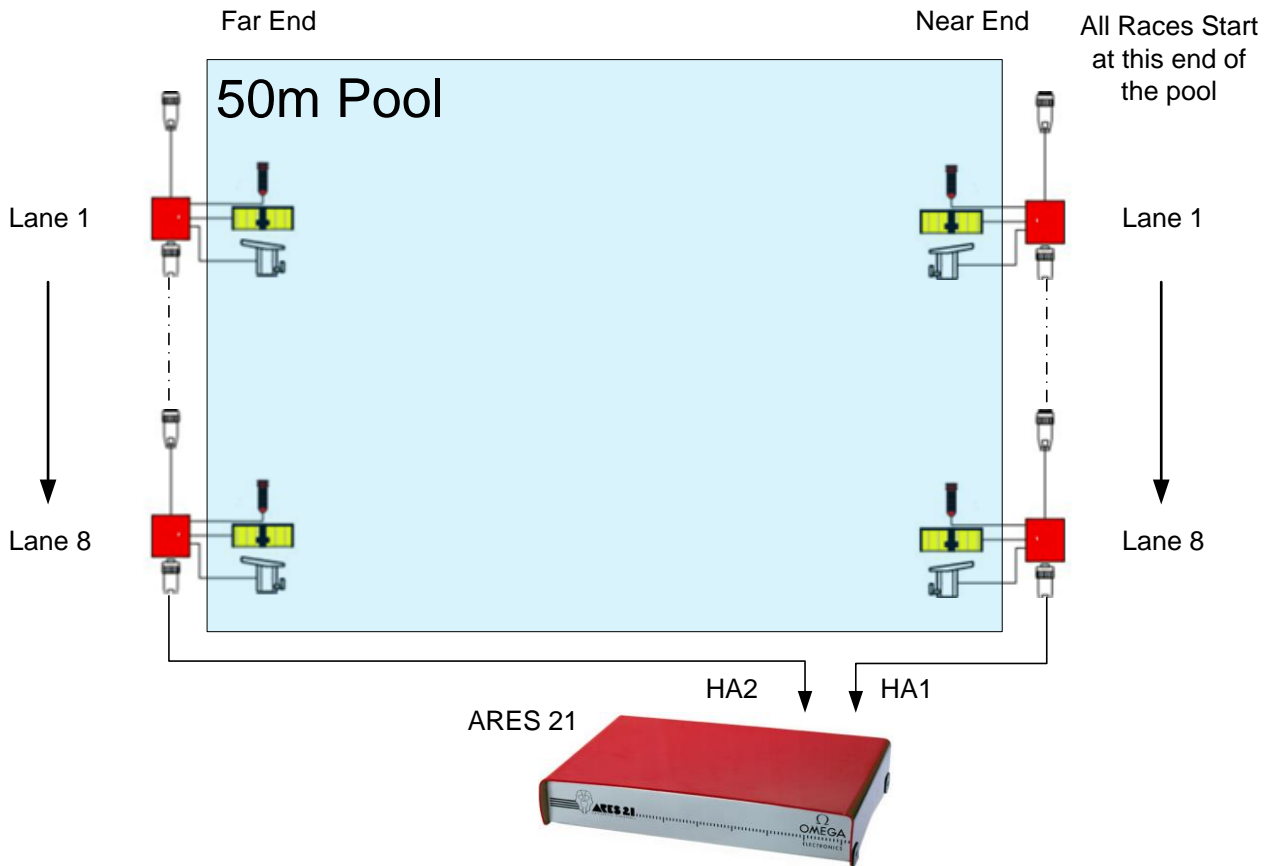
Section	Option	Selected
Near End	Touchpad	<input checked="" type="checkbox"/>
	Platform	<input checked="" type="checkbox"/>
	Platform type	<input checked="" type="radio"/>
	Button type	<input type="radio"/>
	Button 1	<input type="checkbox"/>
	Button 2	<input type="checkbox"/>
Far End	Touchpad	<input type="checkbox"/>
	Platform	<input type="checkbox"/>
	Platform type	<input checked="" type="radio"/>
	Button type	<input type="radio"/>
	Button 1	<input type="checkbox"/>
	Button 2	<input type="checkbox"/>
Start	Start System (normally closed)	<input checked="" type="radio"/>
	Button (normally open)	<input type="radio"/>

Normal configuration with a touchpad, a platform, and a backup button.

**Note:** Cross check the starter trigger polarity with the Started box and ensure they both have the same trigger polarity.

### 3 ARES21 Pool Configuration 50m.

Below is a typical 50m Pool configuration.



The Pool configuration is selected from the ARES main Menu:-

Configuration > Pool

Same way as for the 25m Pool setup

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Once selected, the below pool configuration panel is displayed.

Module #		Lane #
1	<-->	1
2	<-->	2
3	<-->	3
4	<-->	4
5	<-->	5
6	<-->	6
7	<-->	7
8	<-->	8
	<-->	
	<-->	

Note: If the pool lanes are numbered in a different order you will have to update the relative Lane #.

Press the **Contact** button to select the Harness buttons functions and starter trigger polarity.

Section	Option	Status
Near End	Touchpad	Checked
	Platform	Checked
	Platform type	Selected
	Button type	Unselected
	Button 1	Unselected
	Button 2	Checked
	Button 3	Unselected
Average method	Checked	
Far End	Touchpad	Checked
	Platform	Checked
	Platform type	Selected
	Button type	Unselected
	Button 1	Unselected
	Button 2	Checked
	Button 3	Unselected
Average method	Unselected	
Start	Start System (normally closed)	Unselected
	Button (normally open)	Selected

Normal configuration with a touchpad, a platform, and a backup button – Button 2.

**Note:** Cross check the starter trigger polarity with the Started box and ensure they both have the same trigger polarity.