

## Rechargeable/battery Powered WiFi RFID

This is a very portable and easy to use RFID reader. We have made it battery powered and wireless.  
Physical dimensions:

- 29cm x 29cm x 5.5cm
- 2.2kg



Note - the tripod is not included. This is a suitable tripod [option](#)

Technical details:

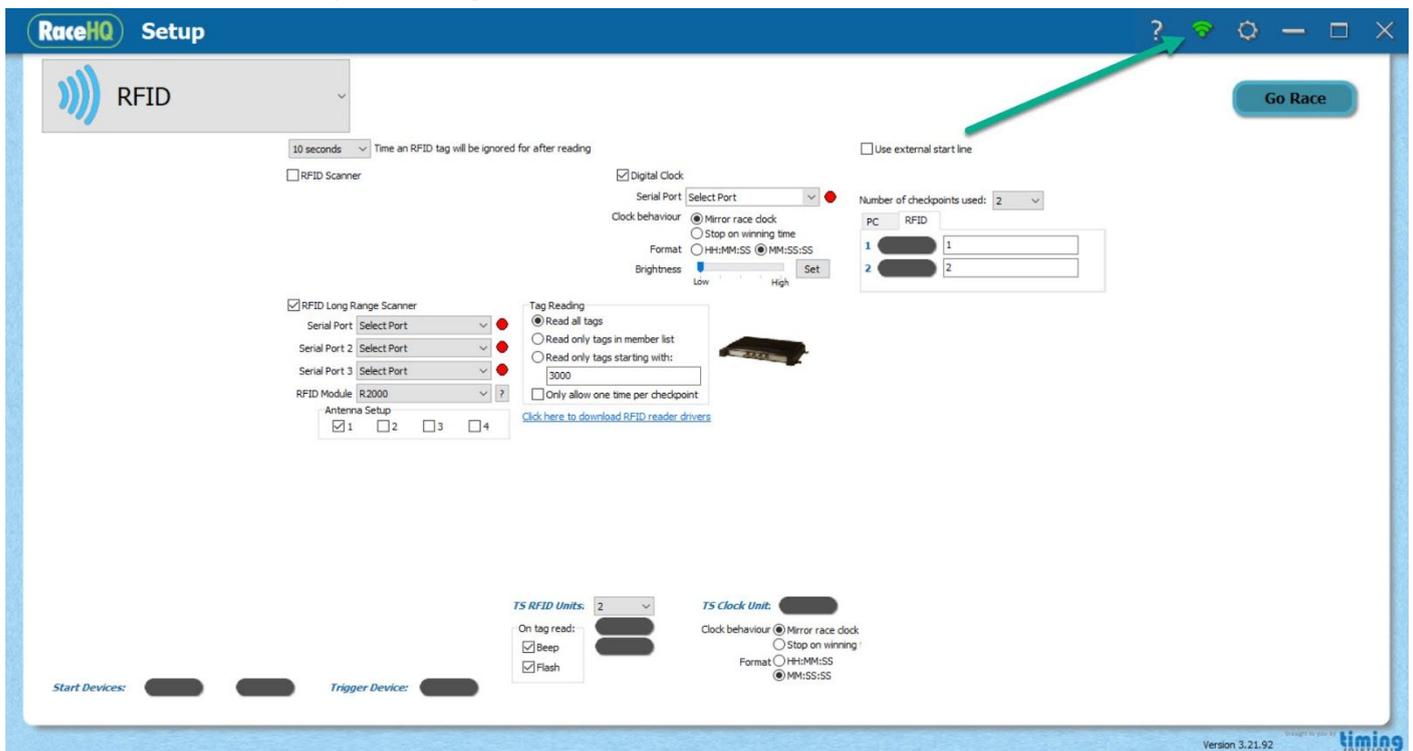
- Long Range RFID Integrated Reader (Model CL7206B5A)
- UHF 920-925 MHz frequency range
- 100 tags per second read rate
- Read range - up to 6m (minimum human contact distance 45cm\*)
- WiFi communication via Timing Solutions Timing Hub
- Battery - 3.7v 20 Ah LiPo recharge - 5hr of racing capacity (included in purchase)
- Charger 12v 5A (included in purchase)

\*RF Safety (People in the proximity of RF transmitters) - make sure you have at least 45 cm between the reader and athletes.

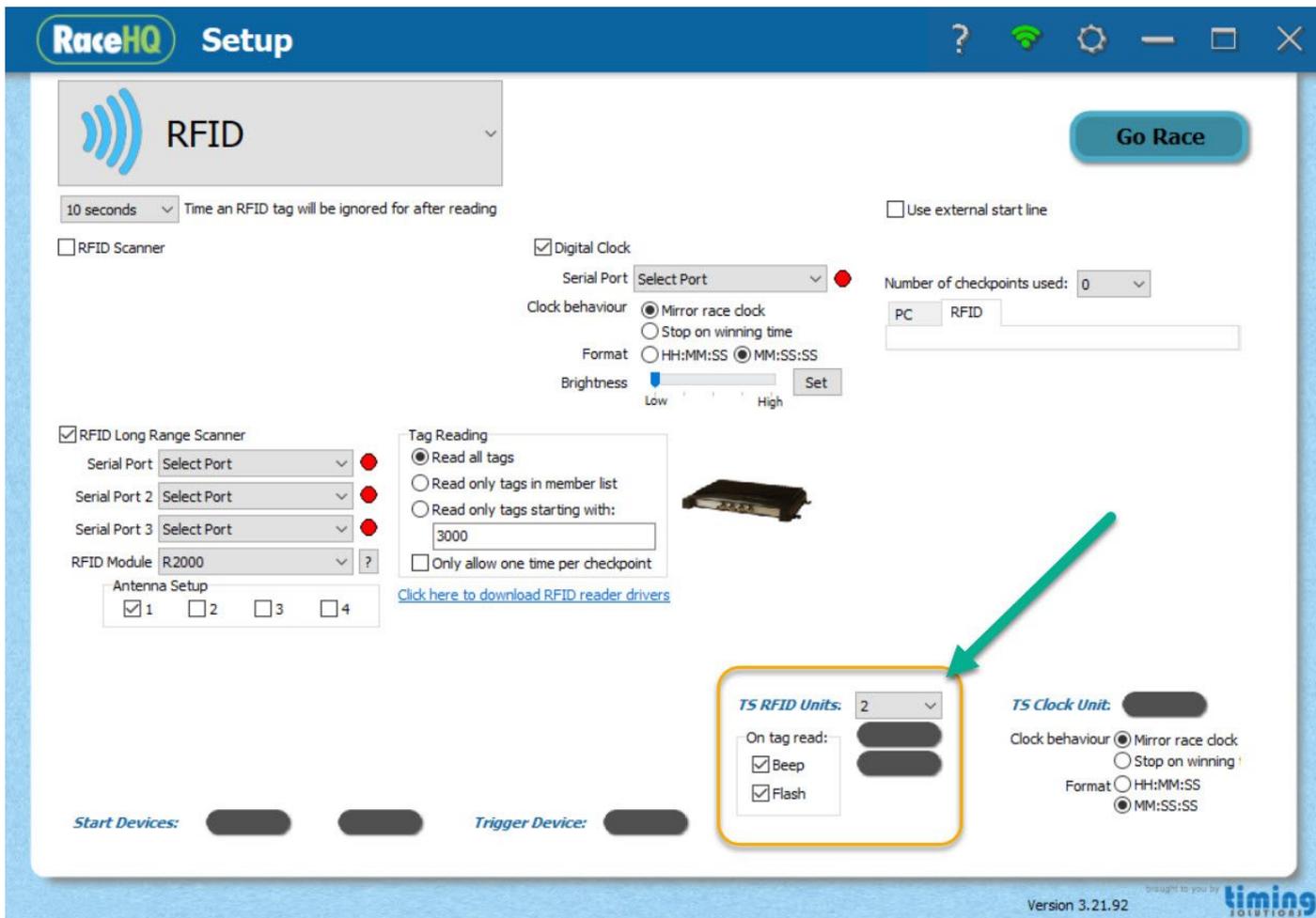
How to use this hardware:

**Note:** make sure you have the latest Timing Hub firmware v1.29 and RaceHQ 3.21.92 - latest

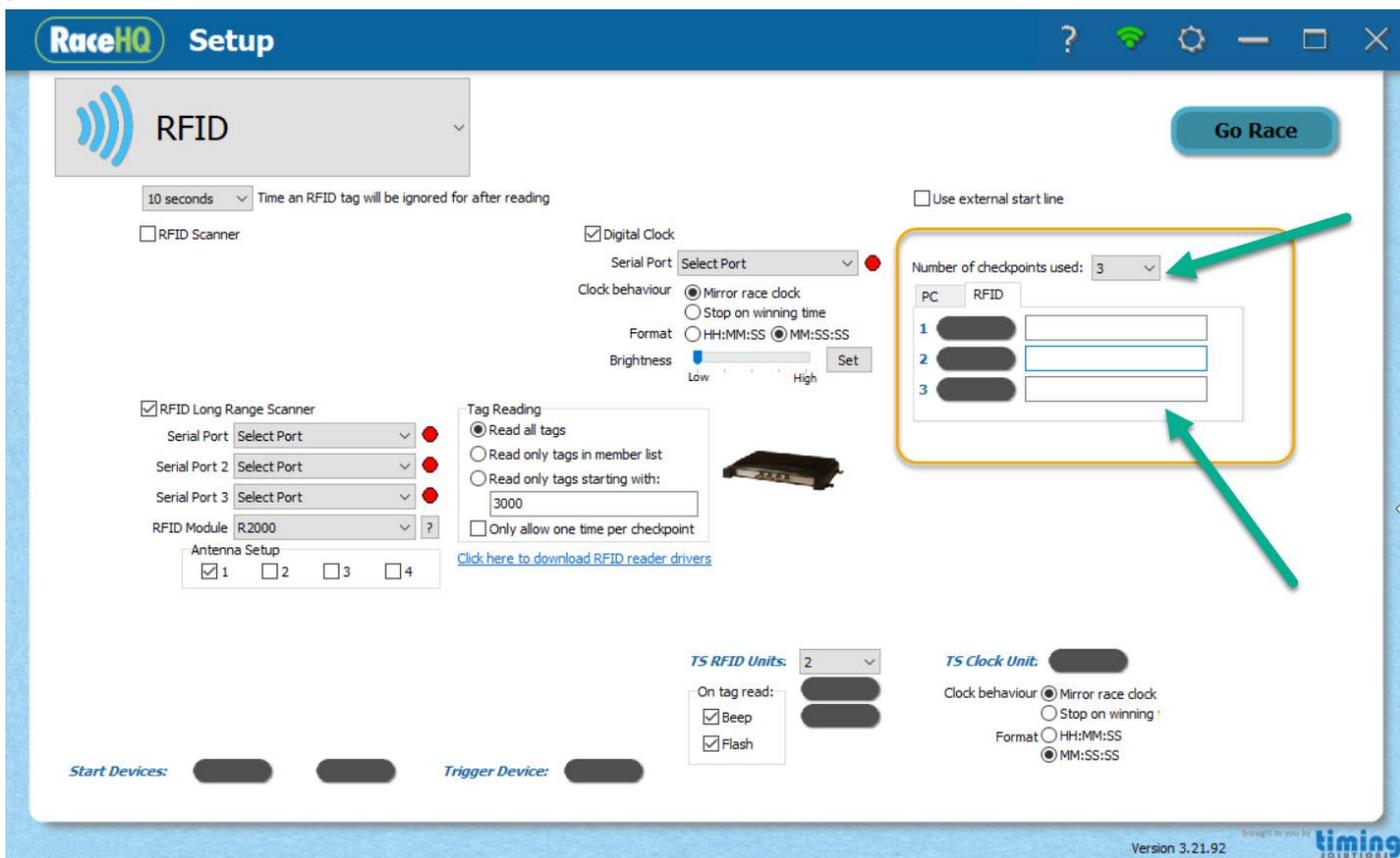
1. Startup RaceHQ with your timing hub connected



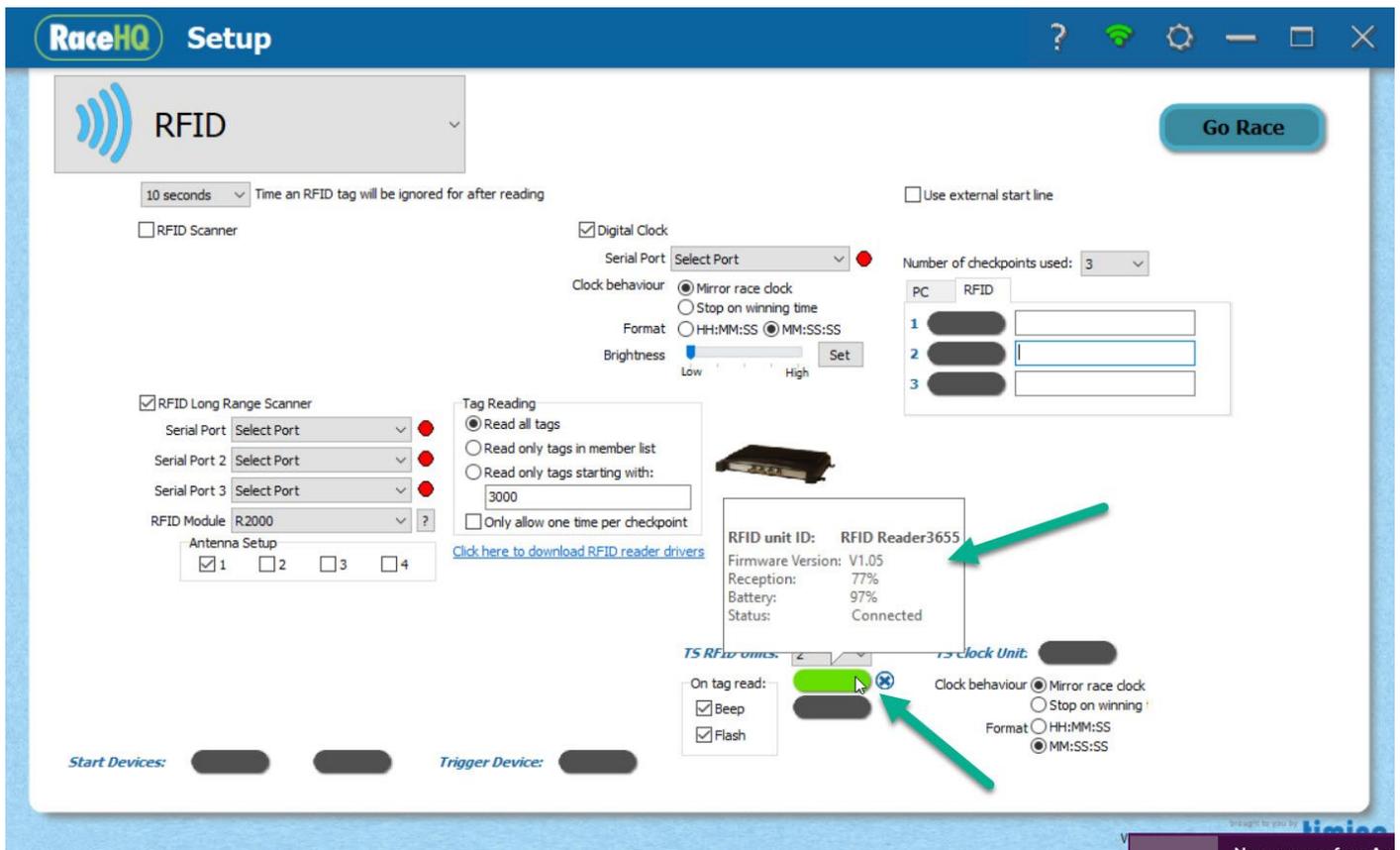
2. You have the option to say how many readers you want to be connected to the Finish Line. You also get to say if you want the readers to Beep each time the reader reads a tag and or Flash the LED on the back of the reader



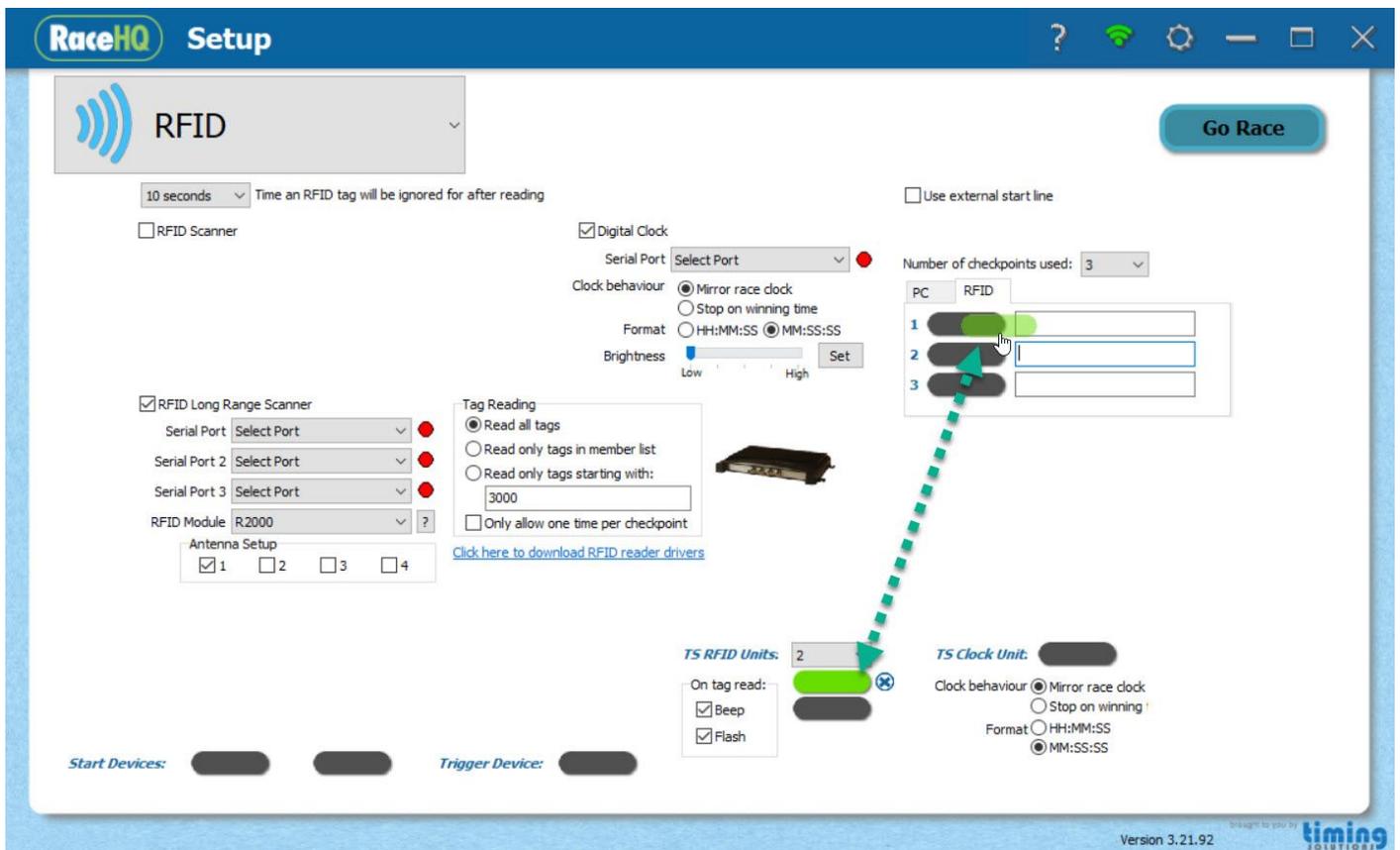
3. The checkpoint section lets you select the number of units you want to be connected and also to give them a name, this name will be used in the web upload and the saved events area too.



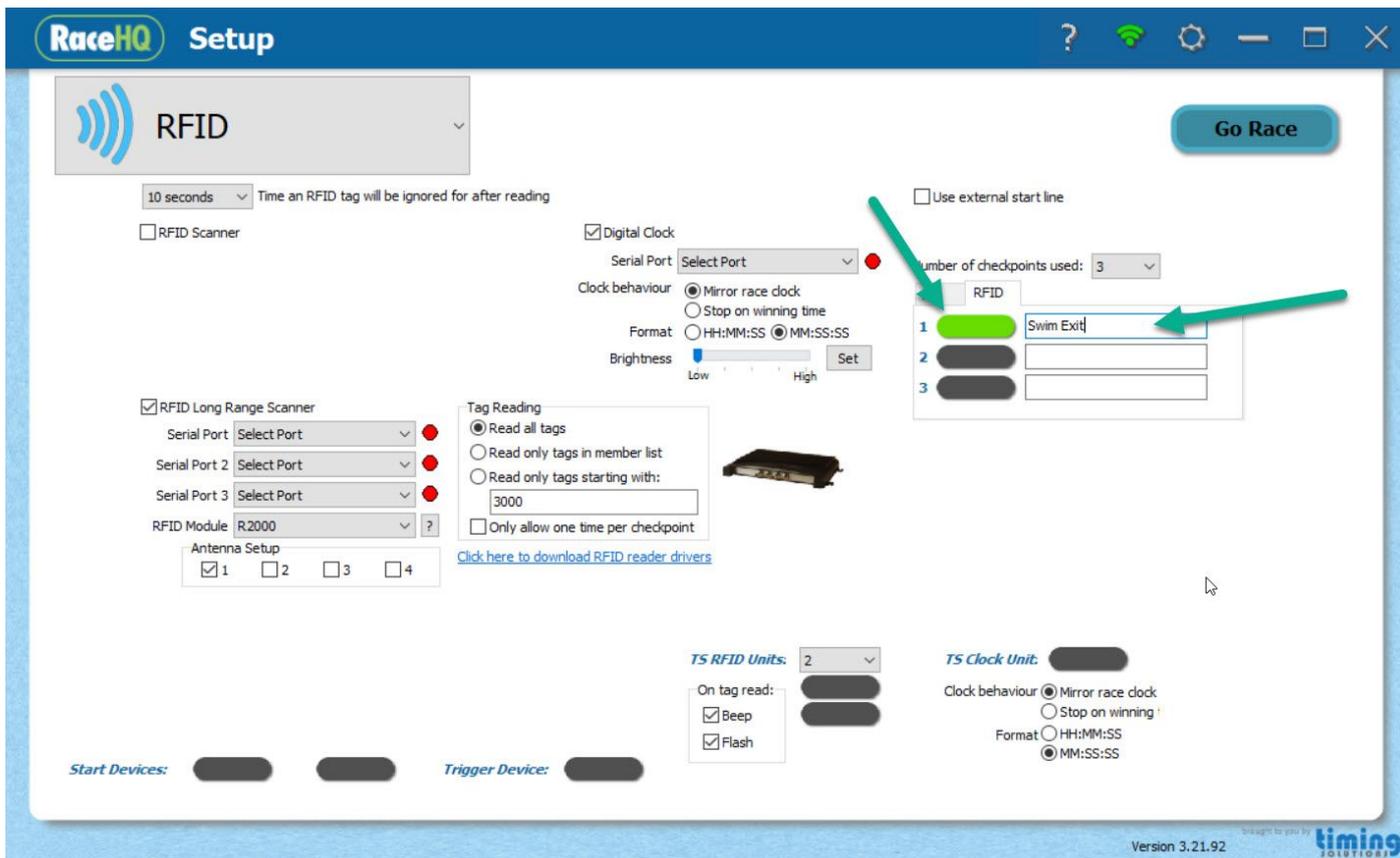
4. When you turn the WiFi RFID reader it will appear by default in the first place on the Finish line units. If you put the mouse on it you will see reception and battery etc



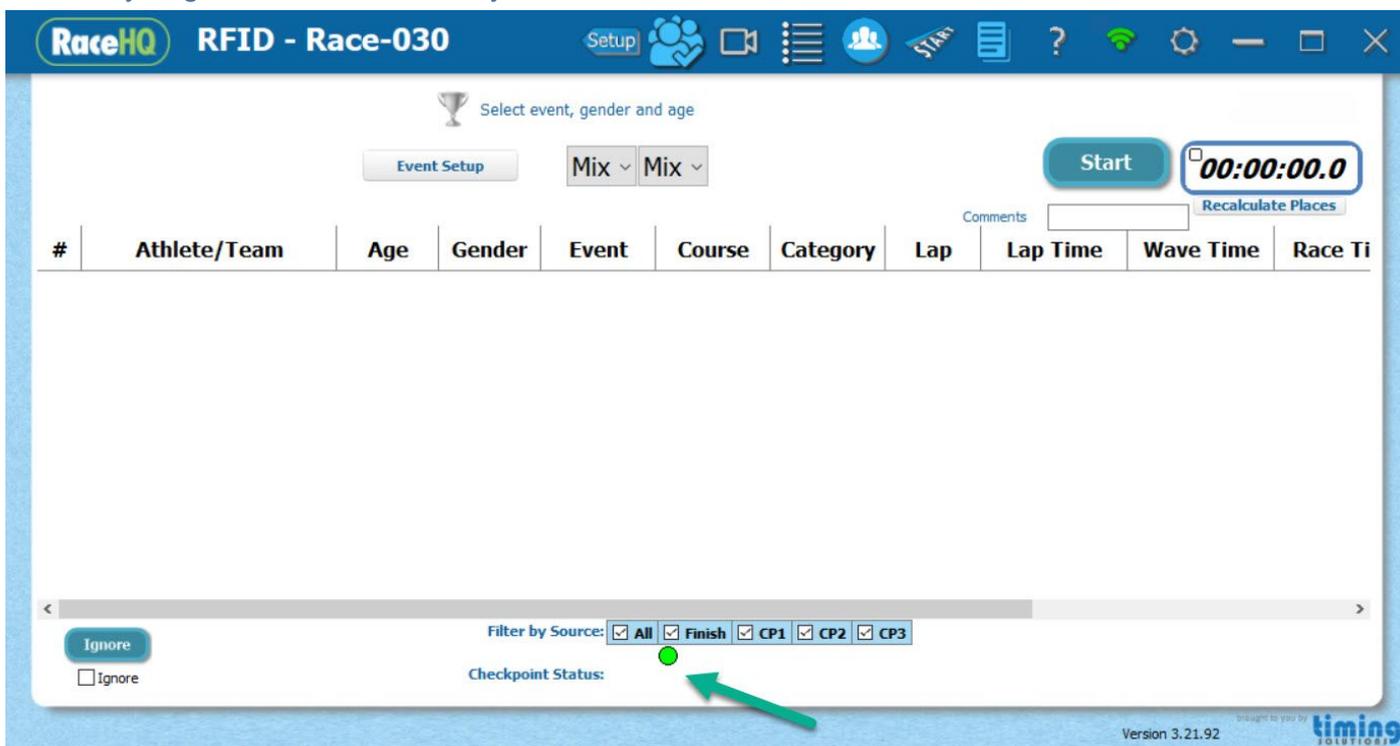
5. If you want to use that device in the checkpoint and not the finish line, then click on the green blob and drag it to the checkpoint you want it to be



6. Once the green status blob is in the checkpoint spot, you should give it a name



7. When you go to the race screen, you will see the status on the screen here



8. In your race screen, you can see the Source and Type on the screen like this

The screenshot shows the RaceHQ interface for RFID - Race-030: (m). At the top, there are navigation icons and a status bar. Below the header, there are controls for event setup, gender selection (Mix), and buttons for Trigger, Rerun, Stop, and a timer showing 00:00:24.3. A table displays race results with columns for Athlete/Team, Age, Gender, Event, Course, Category, Lap, Lap Time, Wave Time, Race Time, Source, and Type. The Source and Type columns for the last row are highlighted with green arrows. At the bottom, there are filter options for source (All, Finish, CP1, CP2, CP3) and a checkpoint status indicator.

#	Athlete/Team	Age	Gender	Event	Course	Category	Lap	Lap Time	Wave Time	Race Time	Source	Type
3	e2000017261100780530e2						1	13.71	13.71	13.71	Swim Exit	Antenna2
4	e2000017261100670530e2						1	13.74	13.74	13.74	Swim Exit	Antenna2
5	e2000017261100610540e3						1	13.84	13.84	13.84	Swim Exit	Antenna2
6	e2000017261100660530e2						1	13.90	13.90	13.90	Swim Exit	Antenna2
7	e2000017261100790530e2						1	13.93	13.93	13.93	Swim Exit	Antenna2
8	3000300833b2ddd9014001						1	14.03	14.03	14.03	Swim Exit	Antenna2
9	e2000017261101190530e2						1	14.17	14.17	14.17	Swim Exit	Antenna2
10	e2000017261100980530e2						1	14.25	14.25	14.25	Swim Exit	Antenna2
11	e2000017261100690540e3						1	14.28	14.28	14.28	Swim Exit	Antenna2
12	e2000017261101360530e2						1	14.36	14.36	14.36	Swim Exit	Antenna2
13	e2000017261101060530e2						1	14.47	14.47	14.47	Swim Exit	Antenna2
14	e2000017261100800530e2						1	14.66	14.66	14.66	Swim Exit	Antenna2
15	e2000017261100560530e2						1	14.82	14.82	14.82	Swim Exit	Antenna2
16	3000300833b2ddd901403f						1	15.60	15.60	15.60	Swim Exit	Antenna2