



**USER
MANUAL
3.0**





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Important precautions

To reduce the risk of injury and damage, read all important precautions and instructions in this manual before using your Cronox. Cronox assumes no responsibility for personal injury or property damage sustained by or through the use of this product.

1. It is the responsibility of the owner to ensure that all users of the Cronox are adequately informed of all precautions.
2. Use the Cronox only as described in this manual.
3. The Cronox is intended for training use only. Do not use the Cronox in a commercial, race, or competition setting.
4. Never water your Cronox. Try keeping the Cronox away from moisture and dust.
5. Avoid placing photocells in strong, direct sunlight. It may cause interferences.

	 WARNING
	Read and understand all service manual instructions before operating this product. Do NOT operate without all guards and covers properly installed.



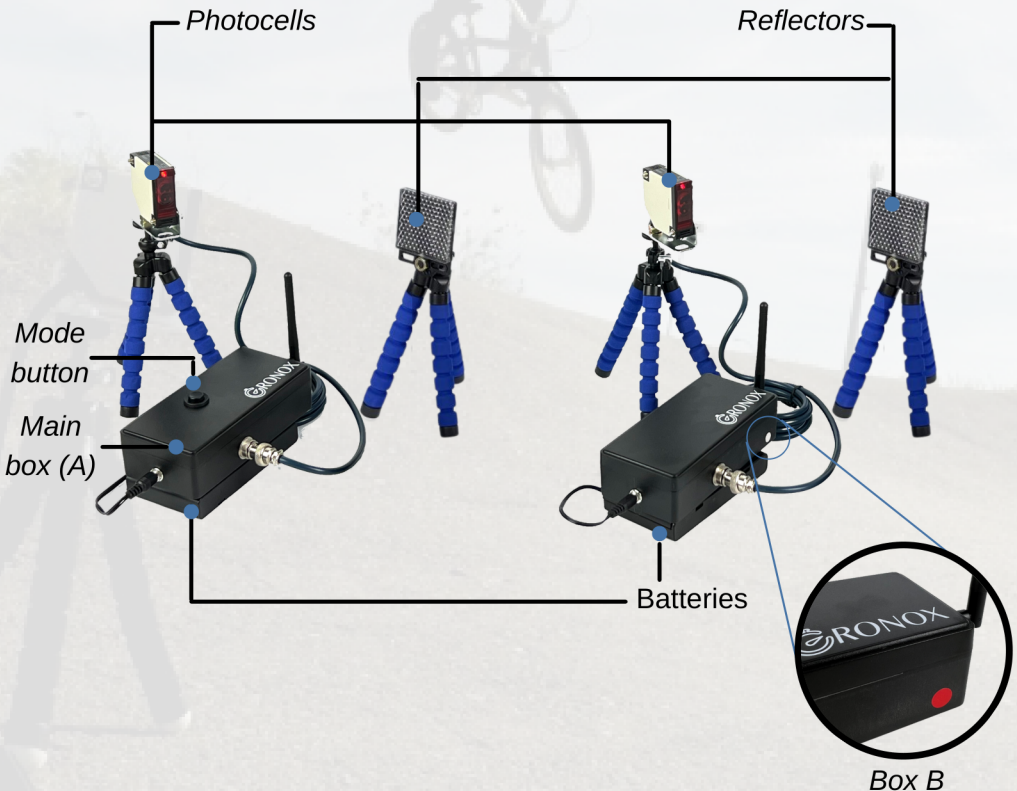


Before you begin

Thank you for selecting the Cronox 3.0. This product provides impressive features designed to make your training more effective and enjoyable.

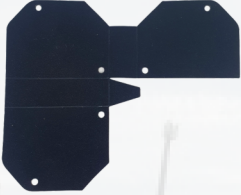
For your benefit, read this manual carefully before you use the Cronox. If you have any questions after reading this manual, please see the back cover of this manual.

Before reading further, please get yourself into the parts that are labeled below.





Part identification chart

			
Reflector (x2)	Tripod (x2)	Antenna (x2)	Photocell (x2)
			
Photocell holder (x2)	M4 Locknut, M4x30mm screw (x4)	Sun protector (x2)	
			
Main box (A)	Power supply (x2)	Box B	

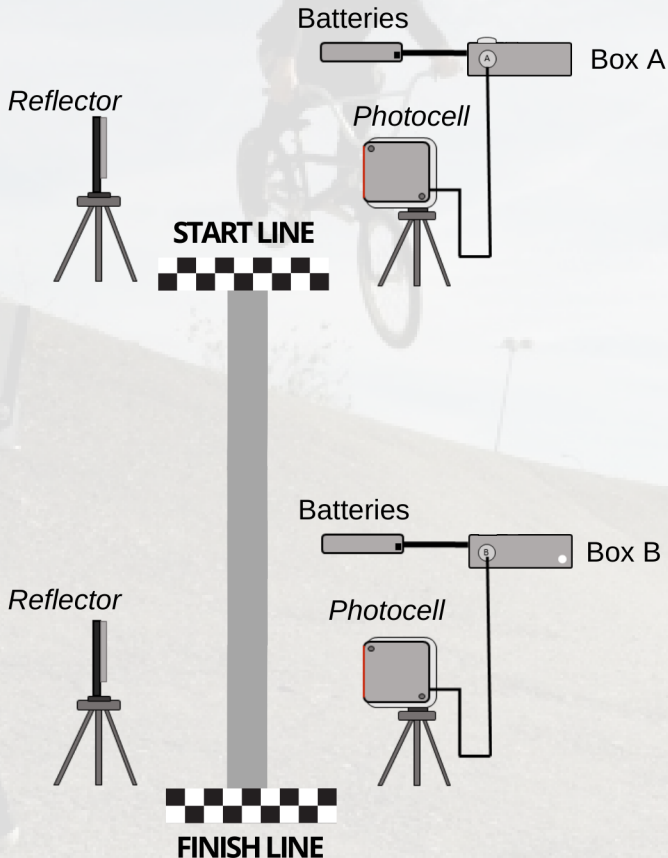


Modes of use

By default, when you turn on your Cronox it will be set in Mode A-B. Once Cronox is connected to Cronox App, you will be able to check in the app **mode status**.

Mode A-B

For **linear races**. It will measure the time it takes an athlete from point A to point B.





Changing mode

For changing from one mode to another, press Mode Button in main box.



Mode A-A

For **closed tracks**. Cronox will measure time it takes an athlete to complete a lap.

Reflector



Photocell



Batteries



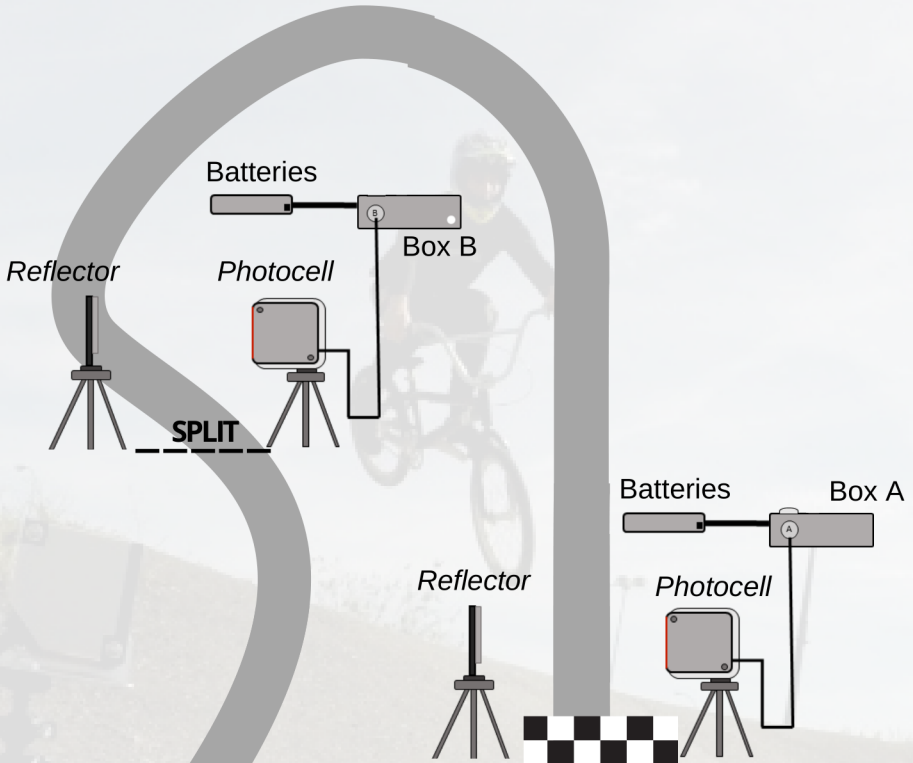
Main box

MODE





- **Intermediate timing** is also available with mode A-A by using box B and second photocell (Split). In other words, closed circuits can be divided into 2 timed sectors.





Assembly

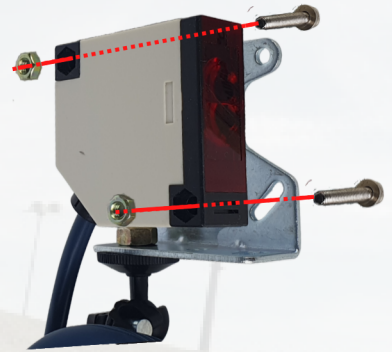
Photocells

1. Screw both tripods on a photocell holder, as shown. Place the respective nut.



2. With M4 Locknuts and M4x30mm screws, fix each photocell on a photocell holder.

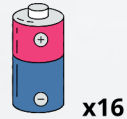
A red light will indicate when the photocells are right aligned.





Batteries

1. Open power supply boxes slidding top cover.
2. Find 16 new AA batteries. It is **very important** that they are **not rechargeable**. They must be 1.5V each.
3. Be extremely careful setting batteries as shown. Spring side always corresponds to negative part of the battery.
4. Close the power supply boxes. Connect one in box A and the other in box B.



**Do not turn on the batteries until everything is ready.
Only turn on when it is indicated to do so.**





Antennas

1. Connect one antenna into box A.



2. Connect second antenna into box B.



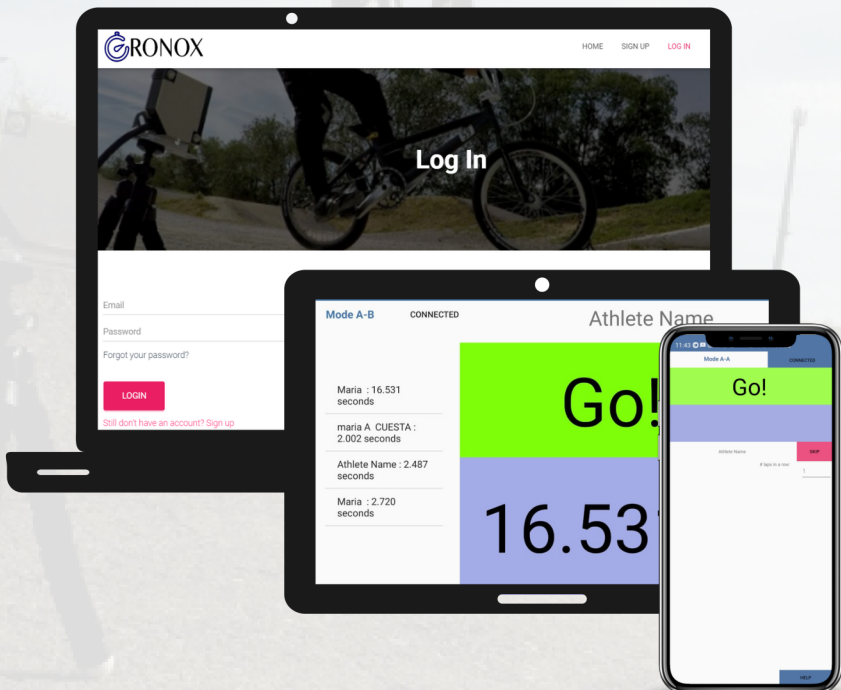


App

1. Download Cronox app.



2. Sing up with name and email. Note that internet connection is needed for most features in this app.
3. Now you can start a session and access all your data from all your devices.





Training in Mode A-B

1. Make sure you have strictly followed steps in pages 9, 10, 11 and 12. For next steps, it might be useful to follow sketch of page 6.

2. Plug one photocell into port of main Box A (starting photocell). Plug the other photocell into port of Box B (finishing photocell).



Note that there only is **one possible position** for this connections. **It is very important not screwing it in**, just introduce it.



Maximum distance from Box A to Box B is **500 meters** in open field area (no big objects between them).

3. Once everything above is connected, turn on your Cronox in power supply boxes.



4. Set the reflectors in front of the photocells and align them. A **red light** will indicate when they are right aligned. **MAX 3 meters** from photocell to its reflector.

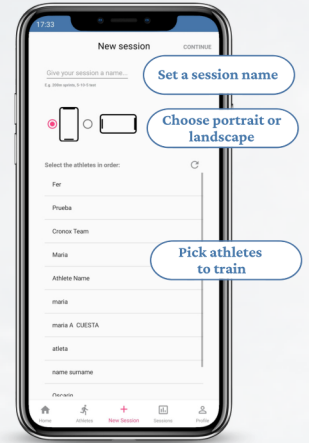


5. Open Cronox App  with your smartphone and click 'New Session'.





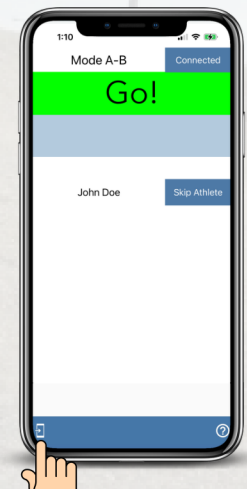
- Choose session settings: session name, layout mode and athletes. Then, click 'CONTINUE' (top right corner).



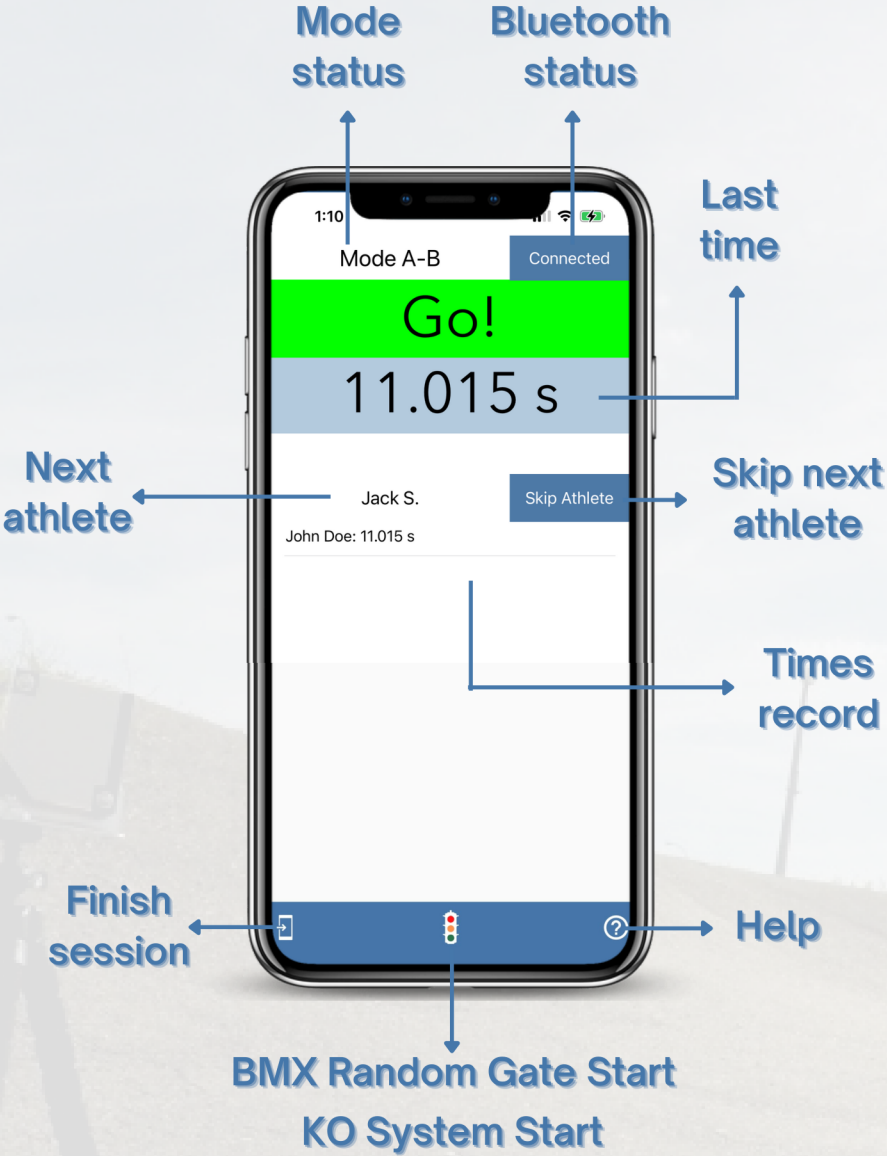
- Scan to connect your Cronox. It is very important that your smartphone and Cronox main box are close enough. Make sure **bluetooth** and all other required permissions are **ON**.



- Bluetooth connection will be automatic. Trigger starting photocell and start your training! Athletes will be timed in order.



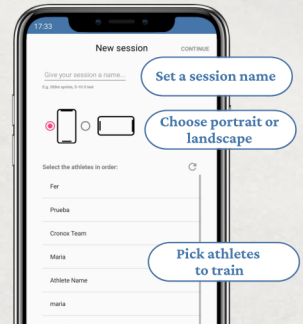
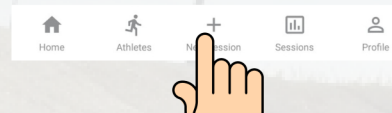
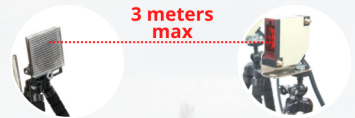
- Remember closing session when training is completed.





Training in Mode A-A

1. Make sure you have strictly followed steps in pages 9, 10, 11 and 12. For next steps, it might be useful to follow sketch of page 6.
2. Plug one photocell into port of Box A. It is **very important** not screwing it in, just introduce it.
3. Once everything above is connected, turn on your Cronox in power supply of main box. Make sure you first followed steps in page 10.
4. Set one reflector in front of the photocell and align them. A **red light** will indicate when it is right aligned. **MAX 3 meters** from photocell to its reflector.
5. Open Cronox App  with your smartphone and click 'New Session'.
6. Choose session settings: session name, layout mode and athletes. Then, click 'CONTINUE' (top right corner).





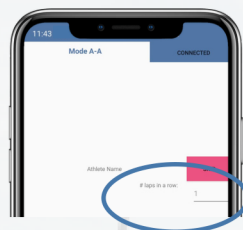
7. Scan to connect your Cronox. It is very important that your smartphone and Cronox main box are close enough. Make sure **bluetooth** and other permissions are **ON**. Bluetooth connection will be automatic.



8. Press once Mode Button in Cronox main box to set Mode A-A. Check mode has changed successfully in your smartphone.



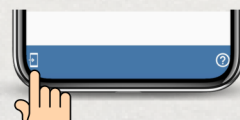
9. It is time to set number of laps each athlete will complete in a row.

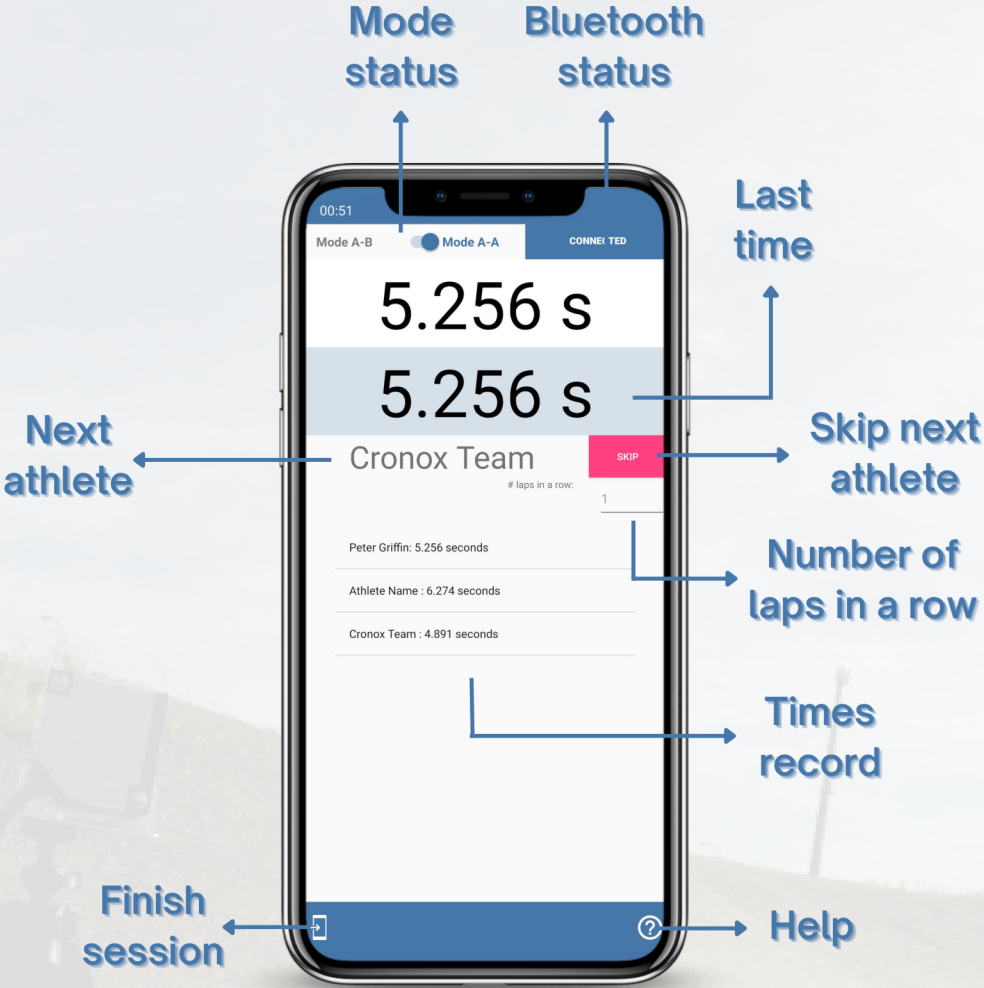


10. Trigger starting photocell and start your training!



11. Remember closing session when training is completed.







Split time with Mode A-A

Once Mode A-A is all set up, you will be able to add a split photocell, in order to divide circuit into two sectors.

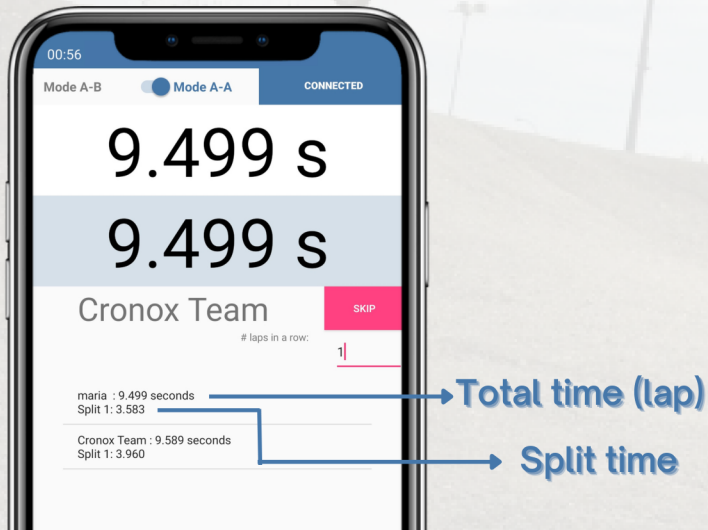
1. First, follow every step for training in mode A-A.
2. Plug the not used photocell into port of Box B.



3. Turn on power supply box of Box B.

Remember **maximum distance** from Box A to Box B is **500m meters** in open field (with no big objects between them).

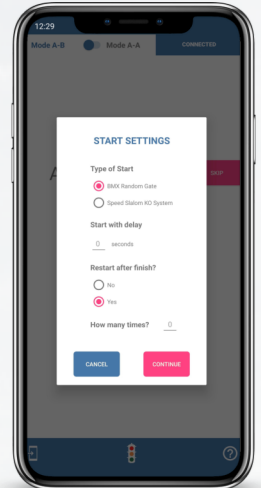
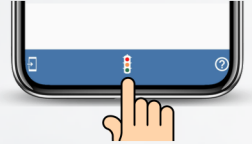
Here you can see how split times will be displayed.





BMX Random Gate Start

1. Follow every step for training with Mode A-B.
2. Click trafficlight icon, located at the bottom of session screen.
3. Choose BMX Random Gate. You can add a start delay, in order to give you this time to get ready between clicking 'START' and the beginning of the gate voice. You can also choose repeating BMX Gate Start in a row several times.

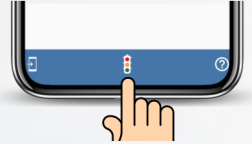




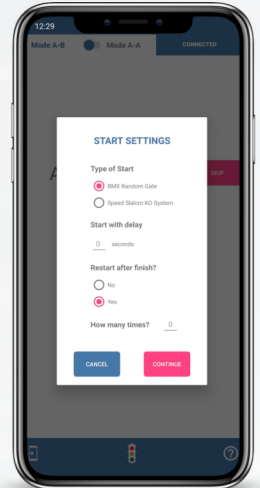
KO System Start

1. Follow every step for training with Mode A-B.

2. Click trafficlight icon, located at the bottom of session screen.



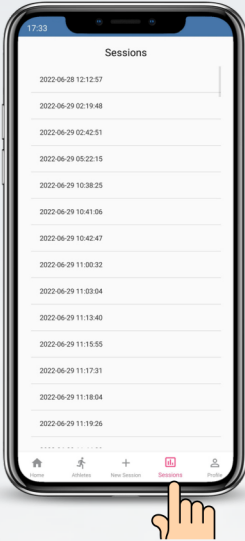
3. Choose Speed Slalom KO System. You can add a start delay, in order to give you this time to get ready between clicking 'START' and the beginning of the gate voice. You can also choose repeating the start in a row several times.



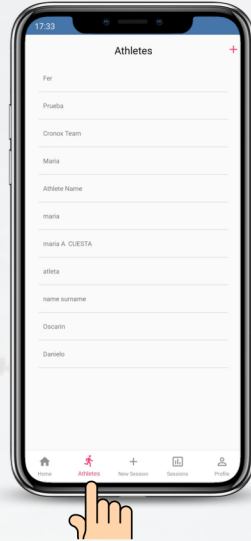


Access your times

A) App

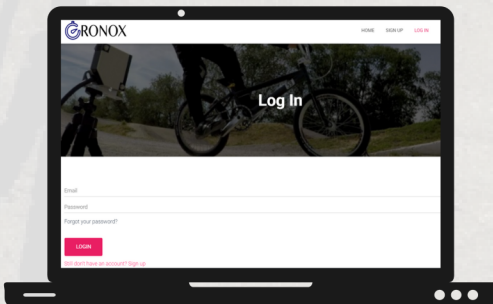


Sessions details

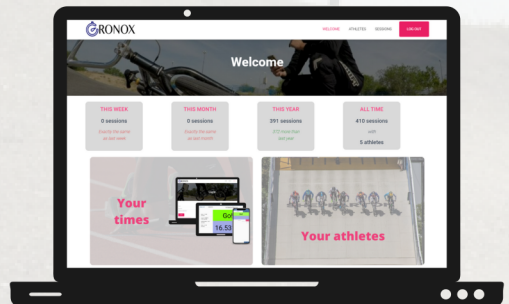


Athlete details and sessions involved

B) Web: app.cronox-sports.com



Log in with email and password



Access all your data



Troubleshooting



Bluetooth connection is not working.

- Make sure your smartphone is near main box.
- Go to Settings/Apps/Cronox/Permissions and check no permissions are denied for this app.
- Check Bluetooth connection is ON in your smartphone.
- Check batteries level of charge. Remember it is very important that batteries are not rechargeable.
- Try using other smartphone, but make sure you are not trying to connect two smartphones at the same time.
- Try turning off your Cronox device, closing Cronox App and starting all over again.
- Check you have Cronox App updated with latest version available.



Bluetooth connection is ready but time count is not starting (I never get 'GO!' in the App).

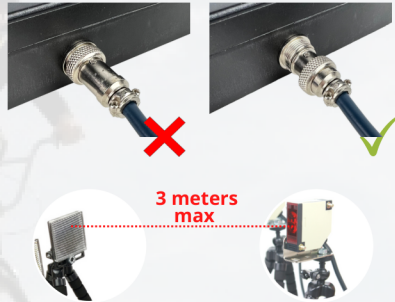
- Try turning off your Cronox device, closing Cronox App and starting all over again.
- Check batteries level of charge. Remember it is very important that batteries are not rechargeable.
- Make sure your smartphone is near main box.
- Check photocells are correctly plugged in. Remember just plugging them in, never screwing.
- Make sure photocells are correctly aligned. Avoid direct sunlight.





Bluetooth connection is ready, time count starts, but never stops.

- Try turning off your Cronox device, closing Cronox App and starting all over again.
- Check batteries level of charge. Remember it is very important that batteries are not rechargeable.
- Make sure your smartphone is near main box.
- Make sure distance from Box A to Box B is lower than 500 meters .
- Check photocells are correctly plugged in. Remember just plugging them in, never screwing.
- Make sure photocells are correctly alligned. Avoid direct sunlight.



App keeps crashing.

- For App correct working, internet connection is needed.
- Make sure you are logged in and followed steps in page 12.
- Force app closure and start all over again.



If nothing of above gets you to solve your problems, please contact us via email:

support@cronox-sports.com

explaining the problems you are facing. Please tell us what of above you tried without success.



2 YEARS WARRANTY

If after carefully reading every very page of this manual, you are still facing problems please contact **support@cronox-sports.com** indicating:

- Order number
- Cronox device
- Explanation of problems you are facing
- Videos for evidence

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<https://cronox-sports.com>