Smartspeed PRO

Overview

HOW DOES IT WORK?

Each Smartspeed PRO gate contains an in-built radio device for wireless communication with a SmartHUB through IEEE 802.15.4.

You will set up your SmartHUB unit, which will connect via Bluetooth to your mobile device. This will then command your PRO gates during the session.

It is **very important** that you always place your SmartHUB close to where you will be standing to run the session, as the range of the Bluetooth connection is between 10 – 20m (depending on your device).

Once you set up and align your PRO units, a beam will be created between the timing unit and the reflector. We call this a timing gate. When someone passes through this beam, we say that the gate has been broken. The first time you break the timing gate beam, the starting point (start time) will be set and the subsequent beam breaks will then list the split times. A split time is the time between beam breaks on one or more units.

Usage Instructions

To get started with using Smartspeed PRO, you will need the following;

1. Your PRO system
2. A supported Apple or Android device with Bluetooth enabled and an internet connection
3. A computer that is connected to the internet

1. DOWNLOAD THE SMARTSPEED APPLICATION

Download the Smartspeed app by visiting either the iOS app store if you are using an Apple device, or Google Play store for an android device.

2. REGISTER YOUR ACCOUNT

You must register your account before you will be able to start using your system. To register, launch the Smartspeed app on your mobile device, click **Register**, and complete the form. **You need to be connected to the internet to do this.**

3. MAKE YOUR FIRST TEAM LIST

If you do not have an internet connection and computer with you then you can skip this step, but it is highly recommended in order to get the proper Smartspeed experience. To create your first team list, follow the instructions in our article on using the [Smartspeed Online service](). If you don't want to do this right now, we have pre-installed a default team you can use to get started.

4. SET UP YOUR SMARTHUB

Please refer to the **SmartHUB instruction manual** for this step.

5. SET UP YOUR GATES FOR TESTING

Tripod assembly
4. Loosen the tripod knob and pull its legs away from the stem.
5. Push down on the knob assembly until the supports are horizontal.
6. Extend the tripod to your desired height. We recommend extending one segment of the tripod to its full extension.
7. Connect the reflectors and remote data units, ensuring that the tripod neck is firmly tightened.

Attaching the timing gate
8. Line up the tripod connection with the bayonet the top of the tripod.
9. Press down, into the tripod, and twist the timing unit into a locked position.
10. When ready, you may turn the unit on by pressing the power button
11. Verify the unit turns on by viewing the power LED on the back of the unit

Aligning your timing gates
12. Place the reflector tripod opposite the PRO unit. The reflector can be up to 5 meters away from the PRO timing unit.
13. Stand behind the PRO timing unit. Hold the unit with one hand and hold the tripod neck with the other hand to keep the tripod in place
14. Turn the PRO unit on by pressing its power button on the front of the unit.

15. Adjust the beam until the red alignment light on the back of the unit is on. This can be done by aiming the photocell and directional laser at the centre of the reflector. Once aligned, the laser will stay illuminated for an additional 5 seconds before turning off.
16. In windy environments, ensure the unit is remains aligned when wobbling the unit slightly side to side.

6. RUN YOUR SESSION

17. Press S**tart** on the home screen and proceed to the **Session Set Up** screen.
18. Choose your options and team for the session. If you haven't created any of your own teams yet using [Smartspeed Online](), you can use the default team.
19. Once you have configured your settings, press **Start** to start testing.
20. When you have completed your testing, press **Stop** to end the session and view the results.

7. PACKING UP AND CHARGING

To turn off your PRO timing units, press the power button on each unit until all LEDs turn off.

We recommend that you recharge your PRO units prior to every session. To charge the units, connect them to the charger provided. When charging the red charge light under will blink. When fully charged, only light will remain solid.

Compliance

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC STATEMENT

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1. l'appareil nedoit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."