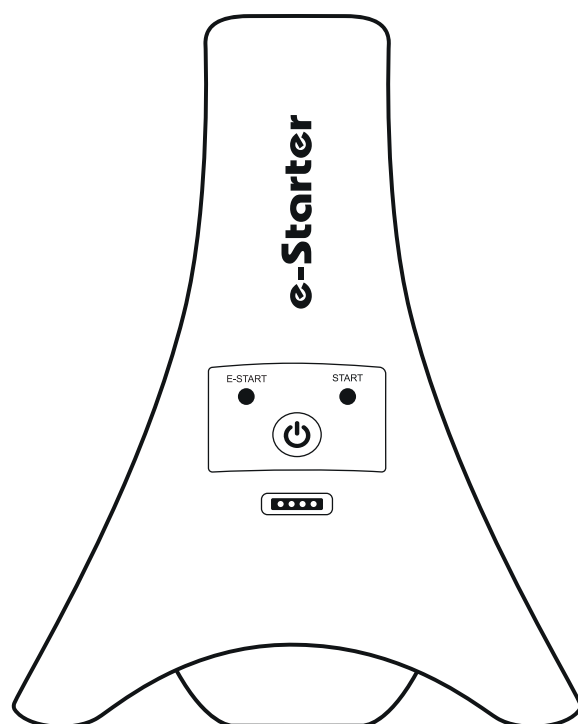


e- Starter



About the e-Starter

e-Starter is the **automatic starter pistol transmitter** of Freelap timing system. It recreates the same starting conditions as competition races by replacing the traditional powder or electronic gun. **Reaction time** is taken into account.

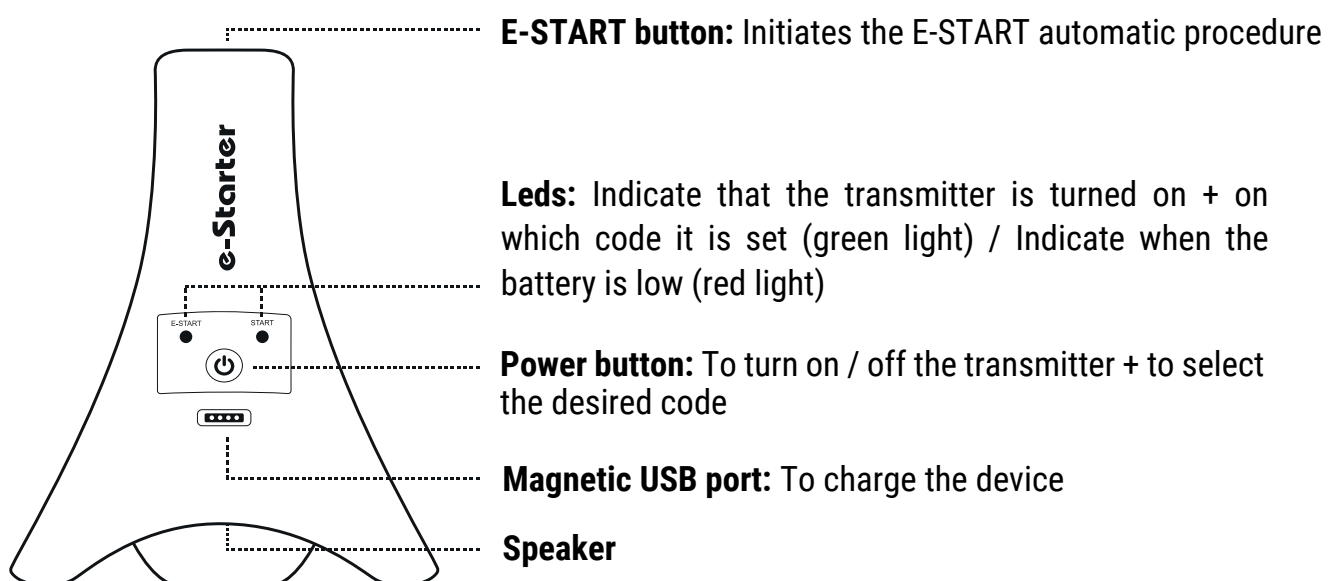
- This transmitter offers 2 ways to trigger the start at the sound signal:
 - **Automatic:** The athlete presses the E-START button to trigger the automatic start procedure. The transmitter then emits, autonomously, a SET command followed by a random gun sound that triggers the start.
 - **Remote:** The SET and BANG (start) sounds are triggered manually by the coach, using the "remote control" on the MyFreelap application.
- e-Starter can be used for flying start too, without the sound signal.

Use of the e-Starter

1. Prerequisites

e-Starter transmitter is a part of the Freelap timing system. To get your timing data, you must **attach your transponder, and use the MyFreelap app** (cf corresponding user manuals).

2. Get to know your device



3. Turn on and set the e-Starter

- To activate the transmitter, **press the Power button**. The green led confirms that the transmitter is activated.
- Once the transmitter is activated, **press the Power button again to select the desired code** (E-START / START). Each press of the Power button switches it to the next code. The led of the selected code flashes.
- To **turn off** the transmitter, make a **long press** on the Power button.

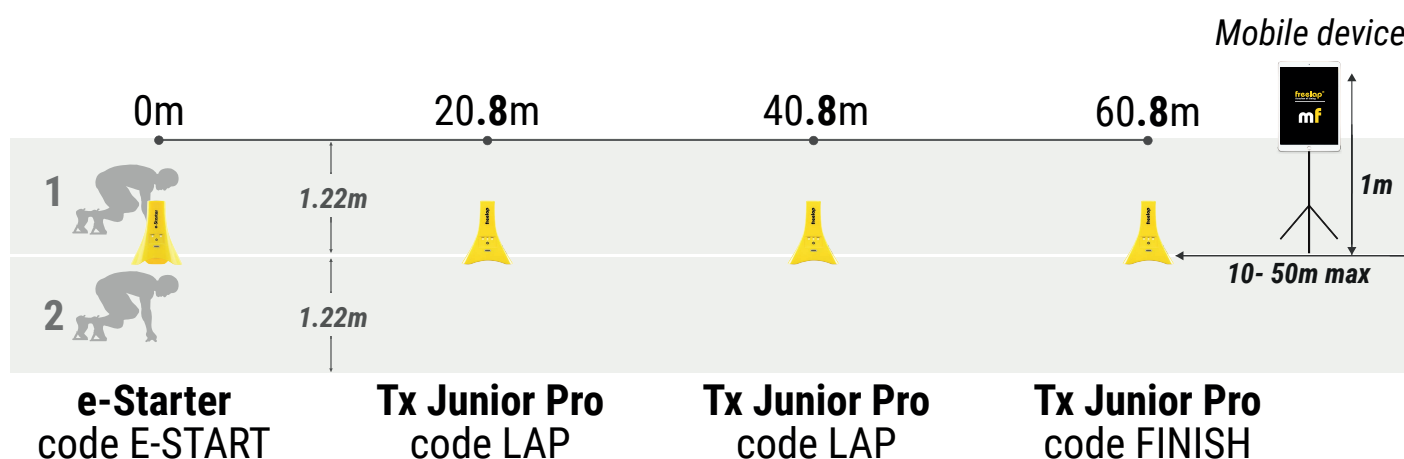
i What is the difference between the code E-START and the code START ?

- **E-START** code: To trigger the start at the **sound signal**. The SET sound warns the athletes that the start is imminent, and the BANG sound instantly triggers the start. **Reaction time** is taken into account.
- **START** code: To trigger the start when the chip crosses the transmitter. No sound signal. Reaction time is not taken into account. It is specially made for **flying start**.

4. Place the e-Starter on the track

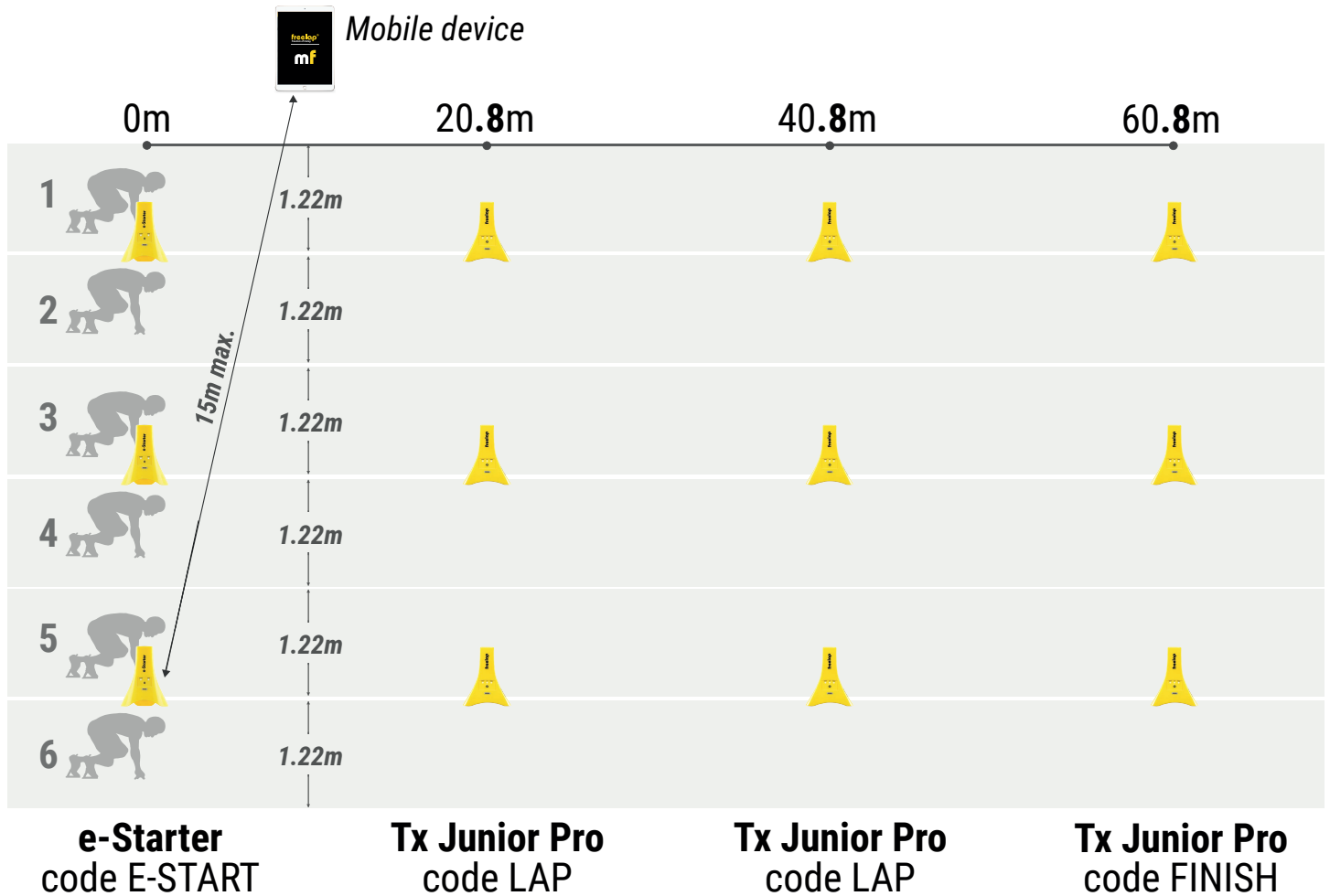
- Place the e-Starter **on the ground** (do not raise it).
- The transmitter has a detection field of 1.5 meters on each side (left / right), so it must be placed: **On the start line, at maximum 1.5 meters from the athlete.**
- > **The e-Starter can cover 2 lanes.** You can time 2 athletes simultaneously on 2 adjacent lanes.
- > e-Starter is a START transmitter. To make Freelap system work, you must have a transmitter set with the code FINISH on your track so:
 - **You must add one FINISH transmitter** (e.g: 1 Tx Junior Pro transmitter set with the code FINISH).
 - **You can add more Freelap transmitters** (e.g: 1 Tx Junior Pro transmitter set with the code LAP to get your intermediate times).
- > The **e-Starter must be at least 10m apart other transmitters, with a minimum time of 0.7 second.**
- > Your track must contain a **maximum of 11 transmitters using a FxChip BLE transponder or 6 using a FxMotion.**

*EG: Timing 60m (3x20m) - 2 athletes - block start with **E-START** code - automatic E-START*

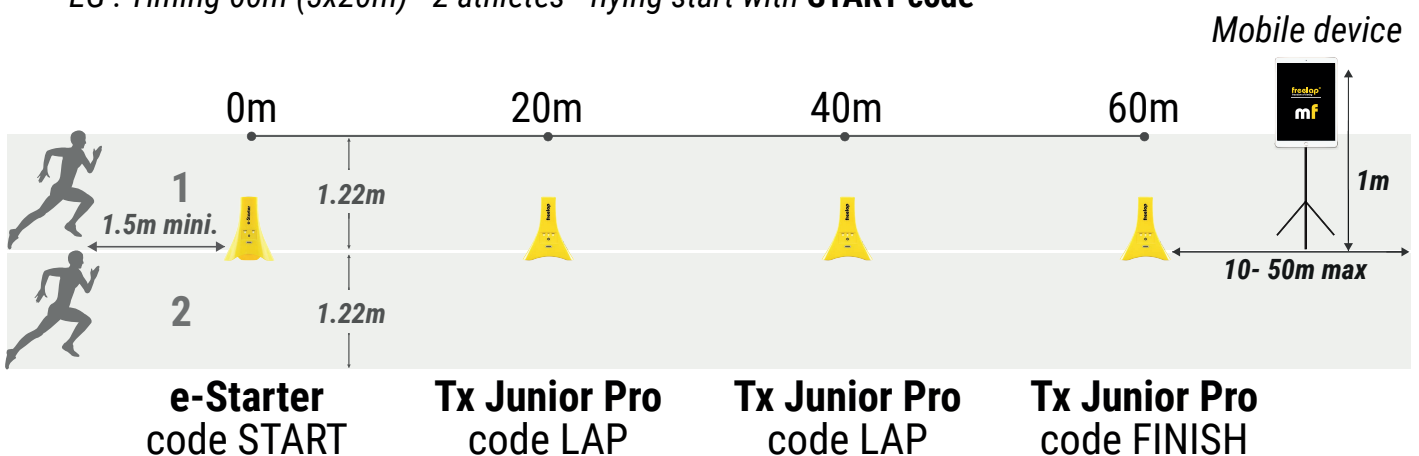


- When doing a block start, then you must place the next transmitters (code LAP and FINISH) **80cm after the desired distance**; because the chip will detect the transmitters 80cm before its exact position.

EG : Timing 60m (3x20m) - 6 athletes - block start with **E-START code** - Remote E-START



EG : Timing 60m (3x20m) - 2 athletes - flying start with **START code**



- In case of flying start, you should **start to run at least 1.5m before the START transmitter to avoid early detection.**



Placing the transmitter at any other location or position may result in inaccuracies or non-detection.


5. Trigger the start with E-START code

A. Automatic E-START

- **Put yourself in the start position and press the E-START button (on the top of the transmitter).** The transmitter is waiting during 11 seconds to let you prepare yourself.
- After the 11 seconds the transmitter emits a SET voice sound to warn that the pistol shot (the start) is imminent.
- **Take the start at the sound of the pistol shot.** The pistol shot is emitted between 1.5 to 2.5 seconds after the SET voice sound (variable time for more realism). The start is instantly triggered at the sound of the pistol shot.
- No need to wait until the first athletes have finished their run to trigger a new start process.

B. Remote E-START

- **Connect your e-Starter to the remote:**

- Open MyFreelap app. Start a Workout. Click on the icon  to display the remote widget.
- Set your e-Starter on the code E-START and place it next to your mobile device (at max 15m). A pop up will ask you to confirm the pairing.
- Set 1 by 1 your other e-Starter on the code E-START to connect them 1 by 1.
- Once all your e-Starter are connected:
 - Press on the SET button to warn the athletes that the start is imminent.
 - Press on the BANG button to trigger the start.



- E-START remote is **only compatible with the new generation of e-Starter** which has 2 codes (2 leds on the front of the device): E-START & START codes.
- You can connect **up to 3 e-Starter**.
- You can't connect a e-Starter which E-START start procedure has been triggered automatically (top E-START button). Please wait before the end of the procedure to connect it to the remote.
- The **mobile device must always stay at max 15m from the e-Starter** otherwise connection will be lost.
- If your FINISH transmitter is at more than 50m from your mobile device you won't receive your time instantly on the app. To download your latest time on the app just shake your chip (place it vertically and shake it horizontally).

Further information

Battery and battery life

The e-Starter has a **3.7V 1Ah LiPo rechargeable battery**.

- **Low battery indicator:** When the battery becomes low, the leds flash red.
- **Recharging the battery:**
 - Insert the magnetic USB cable into the USB port located at the front of the transmitter.
 - It is recommended to make complete charges (charging time: 4h).
 - When the battery is fully charged, the device has a battery life of 500h.
 - The e-Starter has an automatic shutdown function (after 1 hour of inactivity), to save the battery.

Technical sheet

- Weight: 250 g with batteries
- Dimensions: 155 x 144 x 134 mm
- Compatibility: FxChip / FxChip BLE
- Transmitter with 2 codes: E-START / START
- Detection field: 1.5 meters (left and right side)
- Minimum time between 2 transmitters: 0.7 second
- Accuracy: 0.01 second
- Battery: 3.7V 1Ah LiPo rechargeable battery, automatic shutdown after 1h of inactivity
- Battery life: 500 hours
- Water resistance: IP67
- Operating temperatures: -20°C to +50°C

Technical support

Find our FAQ (Frequently Asked Questions), as well as other manuals and user guides, on our website at: **www.freelap.com/support**

If you cannot find the answers to your questions, please contact your Freelap dealer. Find the list of Freelap dealers at: **www.freelap.com/freelap-contact**

After-sales service & warranty

The e-Starter is guaranteed 2 years. If you have any questions or if you need assistance with your device, please contact your Freelap dealer.

FREELAP SA

Av. D.-Jeanrichard 2A CH-2114 Fleurier – Switzerland
www.freelap.com - +41 32 861 52 42 - sales@freelap.ch
© Freelap SA - All rights reserved.