Further information

Battery and battery life

The PowerUnit has a 3.7V 5AH LiPo rechargeable battery.

· Low battery indicator:

When the battery is low, the PWR led flashes red.

- · Recharging the battery:
- Connect the USB port of the power cable (supplied) to a USB socket. Unscrew the sealing cap from CHG port and connect the power cable to the CHG port.
- It is recommended to make complete charges (charging time: 10h).
- When the battery is fully charged, the device has a battery life of 50h.
- The PowerUnit has an automatic shutdown function (after 12h), to save the battery.

Technical sheet

- Weight: 1.250 kg
- Dimensions of the Powerlinit: 75 x 140 x 25 mm
- . Dimensions of the Tx Flag: 55 x 100 x 23 cm
- . Compatibility: FxChip / FxChip BLE
- · Transmitter with 2 modes: Tx / Mic.
- . Transmitter with 3 codes: START / LAP / FINISH
- · Detection field: 6 m
- · Minimum time between 2 transmitters: 0.7 s
- · Accuracy: 2/100 of a second
- Battery: 3.7V 5AH LiPo rechargeable battery
- · Battery life: 50 h
- Water resistance: IP67
- Operating temperatures: -20°C to +50°C

Technical support

Find our FAO (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 PowerUnit & Tx Flag are guaranteed 2 years. If you have any guestions or if you need assistance with your device, please contact your Freelap dealer.

FRFFI AP SA

Av. D.-Jeanrichard 2A CH-2114 Fleurier - Switzerland +41 32 861 52 42 - www.freelap.com













PowerUnit & Tx Flag



About the PowerUnit & Tx Flag

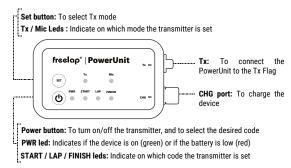
PowerUnit is a versatile transmitter of Freelap timing system. It can be quickly set as START, LAP or FINISH transmitter. It emits a magnetic field automatically detected by your transponder during its passage. PowerUnit is associated with an antenna flag, the Tx Flag, which provides a wider detection zone (6m).

Use of the PowerUnit & Tx Flag

1. Prerequisites

The PowerUnit & Tx Flag transmitter is a part of the Freelap timing system. To get your timing data, you must attach the transponder to the elastic band of the rider's mask and use the MyFreelap app (cf corresponding user manuals).

2. Get to know the PowerUnit



3. Install the Tx Flag

- . Thread the 4 rods horizontally through each notch of the flag (top/right, top/left, bottom/right, bottom/left).
- Thread the 3 support bars vertically into each notch of the flag (left, middle, right).
- Fix the rods to the support bars by fitting them into each other.
- . Connect the Tx Flag to the Tx port of the PowerUnit.
- · Fix the support bars to the ground using pegs.

4. Turn on and set the PowerUnit

- Press 2s on the Power button to turn on the transmitter.
- Press on the Set button to select the Tx mode. Each press of the Set button switches you to the next mode. The LED of the Tx mode must flash.
- Then, make short presses on the Power button to select the desired code (START = start transmitter / LAP = intermediate transmitter / FINISH = finish transmitter). Each short press of the Power button switches you to the next code. The led of the selected code flashes

5. Place the PowerUnit & Tx Flag on the track

- Fix the Tx Flag to the ground, on the side and parallel to the track. The Freelap logo must face the track.
- It must be placed at max. 6m of the rider's passage (so that the transponder of the rider crosses the detection field of the transmitter)

Placing the transmitter at any other location or position may result in

6. Associate it with other Freelap transmitters

To make Freelap timing system work, you must have a transmitter set with the code FINISH on your track.

PowerUnit is a versatile transmitter. So, you can use several PowerUnit transmitters on your track (set as START, LAP or FINISH transmitter).

You can also use it in combination with other Freelap transmitters (e.g. you can use a Mx Start as START transmitter).

- The transmitters must be minimum 0.7 second appart. Your track must contain a maximum of 11 transmitters.
 - For an optimal accuracy, take the start 15m before the 1st transmitter.



To get your LAP times in a loop system, only 1 PowerUnit & Tx Flag set on the code FINISH is enough



