



freelap V220623 Power Unit And Tx Flag Instruction Manual

[Home](#) » [freelap](#) » freelap V220623 Power Unit And Tx Flag Instruction Manual 

Contents

- [1 freelap V220623 Power Unit And Tx Flag](#)
- [2 Product Information](#)
- [3 About the Power Unit & Tx Flag](#)
- [4 Use of the Power Unit & Tx Flag](#)
- [5 Further information](#)
- [6 Documents / Resources](#)
- [7 Related Posts](#)



freelap V220623 Power Unit And Tx Flag



Product Information

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

About the Power Unit & Tx Flag

Power Unit is a versatile transmitter of the 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. Power Unit is associated with an antenna flag, the Tx Flag, which provides a wider detection zone (6m).

Use of the Power Unit & Tx Flag

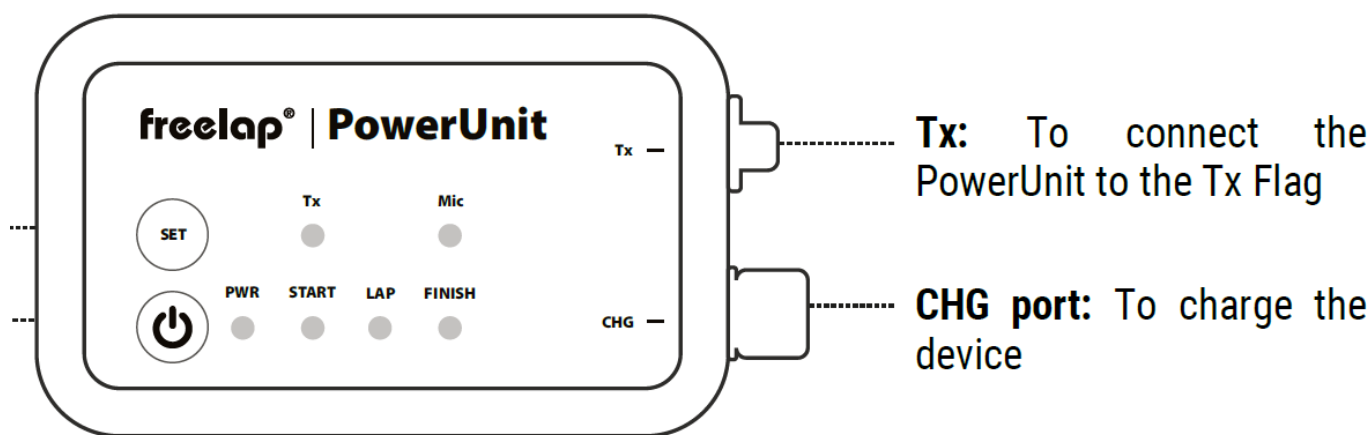
Prerequisites

The Power Unit & Tx Flag transmitter is a part of the Freeload 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).

Get to know the Power Unit

Set button: To select Tx mode

Tx / Mic Leds : Indicate on which mode the transmitter is set.



Power button: To turn on/off the transmitter, and to select the desired code PWR led: Indicates if the device is on (green) or if the battery is low (red) START / LAP / FINISH leds: Indicate on which code the transmitter is set.

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 Power Unit.
- Fix the support bars to the ground using pegs.

Turn on and set the Power Unit

- 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.

Place the Power Unit & Tx Flag on the track

- Fix the Tx Flag to the ground, on the side and parallel to the track. The Freeload logo must face the track.
- 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 inaccuracies or non-detection.

Associate it with other Freeload transmitters

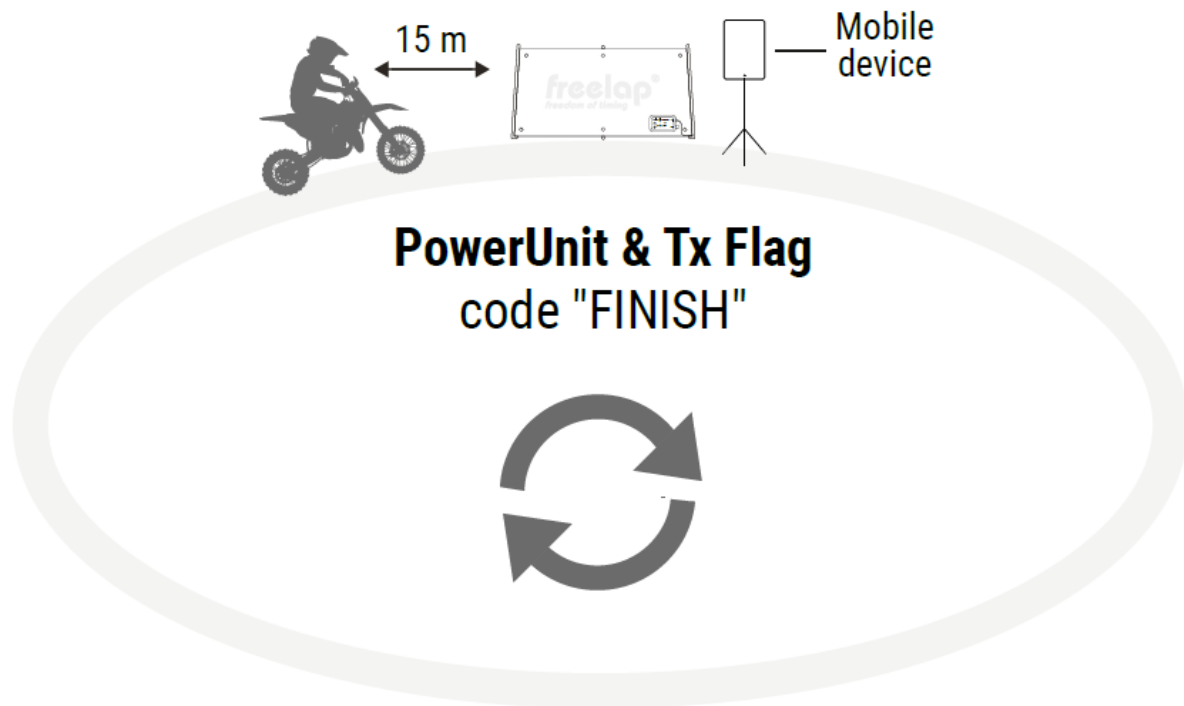
To make Freeload timing system work, you must have a transmitter set with the code FINISH on your track.

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

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

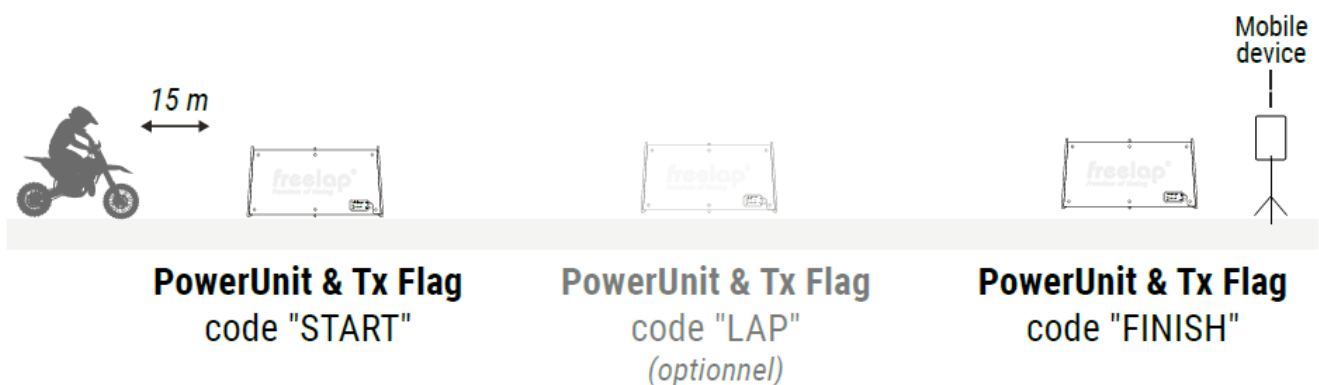
- The transmitters must be minimum 0.7 second appart.
- Your track must contain a maximum of 11 transmitters.
- For an optimal accuracy, take the start 15m before the 1st transmitter.

Example – System in loop:



To get your LAP Tamsin a loop system, only 1PowerUnit & Tx Flag seton the code FINISH is enough.

> Example – Standard system:



Further information

Battery and battery life

The Power Unit has a 3.7V 5AH Lipoid 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 Power Unit has an automatic shutdown function (after 12h), to save the battery.

Technical sheet

- **Weight:** 1.250 kg
- **Dimensions** of the PowerUnit: 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 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 Freeload dealer. Find the list of Freeload dealers at: www.freelap.com/freelap-contact

After-sales service & warranty

The Power Unit & Tx Flag are guaranteed 2 years. If you have any questions or if you need assistance with your device, please contact your Freeload dealer.

FREELAP SA


Av. D.-Jean Richard 2A CH-2114 Flourier – Switzerland



+41 32 861 52 42 – www.freelap.com



Documents / Resources

	freelap V220623 Power Unit And Tx Flag [pdf] Instruction Manual V220623 Power Unit And Tx Flag, V220623, Power Unit And Tx Flag, Unit And Tx Flag, And Tx Flag, Tx Flag
---	--

Manuals+.