

AiM Infotech

Optical lap transmitter

Release 1.01



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Introduction

AiM devices can sample lap and split time using an optical transmitter.

All transmitters have the same frequency and one transmitter on the track is therefore sufficient. It can be powered by internal batteries – 8 AA batteries – or by an external 12V power source and it is sold with its external power cable.

The transmitter **part number** is: **X02TXKMA01**

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Installation and setting

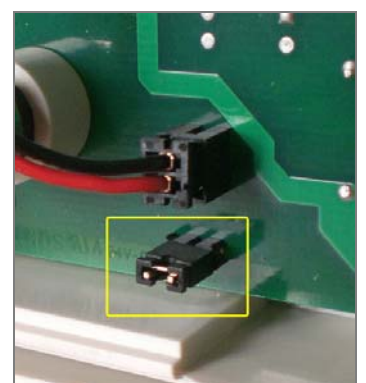
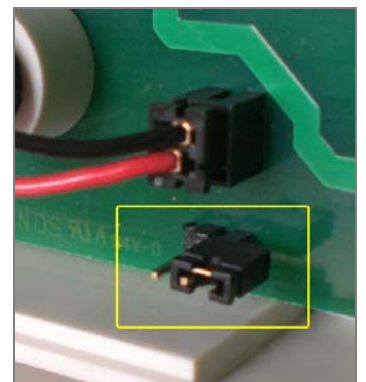
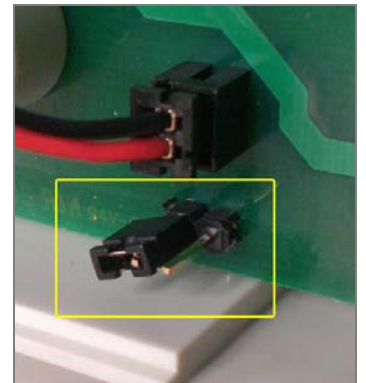
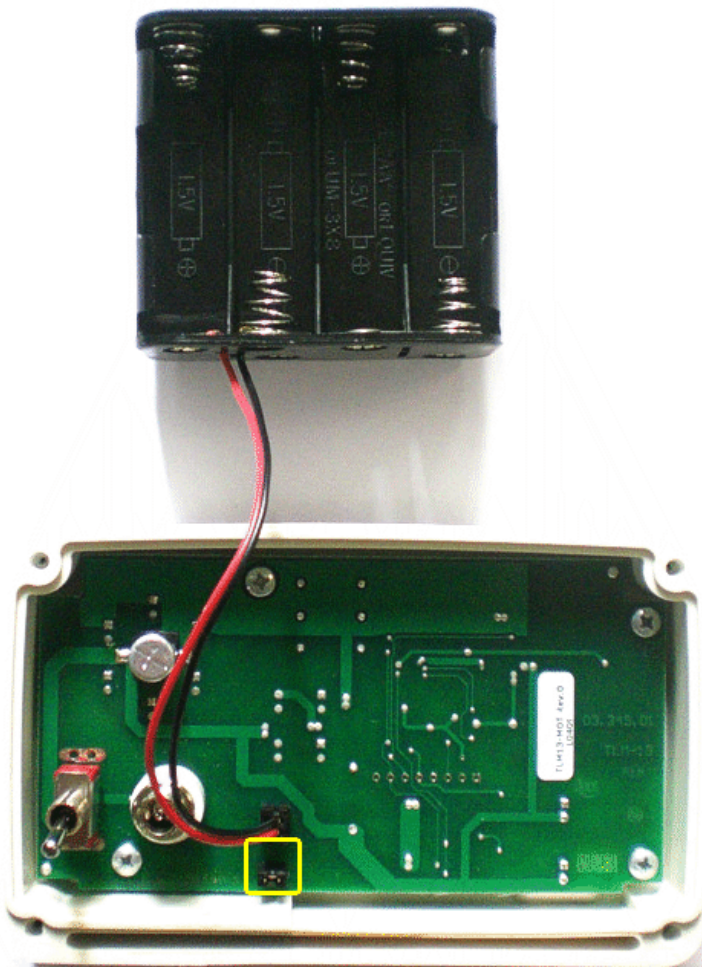
- Install the transmitter on the side of the track
- ensure it faces the track
- strongly fix it so to avoid movements or false lap signals and switch it on.

The transmitter has two operating modes: **high** frequency and **low** frequency that corresponds to different track types:

- **low** frequency mode is used when the track is less than 10 m (33 ft) wide
- **high** frequency mode is used when the track is up to 20m (66 ft) wide. When the transmitter works in high frequency mode both front LED, highlighted below, blinks. **In this case** we strongly recommends external power.



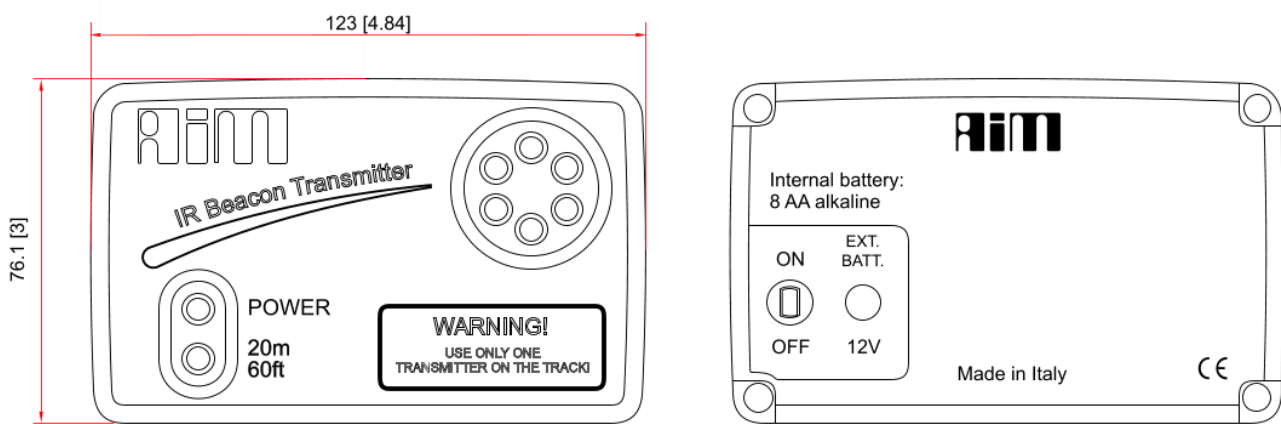
The transmitter comes set in low frequency mode; to switch it to high power mode open it and move the clip you find near the battery attack so that it contains both jumper. Images below shows the transmitter open with the clip highlighted on the left, the two available low frequency clip positions top and central right and the high frequency position bottom right.



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Dimensions pinout and technical characteristics

The drawing below shows the transmitter dimensions in millimetres [inches].



The transmitter technical characteristics are:

- | | |
|--|--------------------------------------|
| • Internal batteries: | 8AA – 1,5V |
| • External batteries: | 12V – 1.0 A |
| • Low frequency mode operativity range: | 10m (33 ft) |
| • High frequency mode operativity range: | 20 m (66 ft) |
| • Dimensions: | 123x76x47 mm – 4.84x76.1x1.85 inches |