

AiM Infotech

Optical lap receiver

Release 1.02



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Introduction

AiM devices can detect lap times using an infrared optical receiver. The receiver is available with different cable lengths and ending Binder connectors (plastic as well as metallic). Its strong signal guarantees almost no missing laps because it "bounces" off nearly any obstacle. Available versions part numbers are:

- infrared optical receiver with plastic connector and 90 cm cable: **X41RX19090**
- infrared optical receiver with plastic connector and 300 cm cable: **X41RX19300**
- infrared optical receiver with metallic connector and 90 cm cable: **X41RX12090**
- infrared optical receiver with metallic connector and 300 cm cable: **X41RX12300**
- infrared optical receiver with metallic connector and 140 cm cable: **X41RX12140**

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Installation

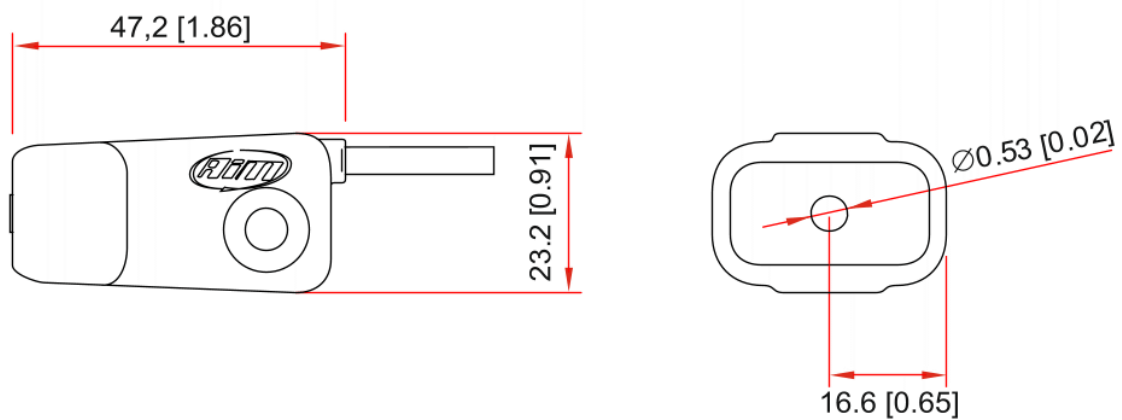
Install the receiver on the vehicle fixing it to the chassis through the fixing hole, plastic wrappers or a piece of Velcro. When fixing the receiver be sure its "eye" addresses to the side of the track where the receiver is installed. If necessary make a hole in the vehicle front cockpit. The image below highlights the receiver "eye".



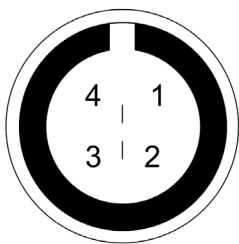
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Dimensions and pinout

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



The receiver is sold with a cable ending with a 4 pins male Binder connector (plastic or metallic). The image here below shows its pinout – solder termination view.



Binder connector pin	Function
1	n.c.
2	GND
3	V battery (7-15 VDC)
4	Optical lap signal