

TR2

TRANSPONDER

DIRECT POWER

QUICK START GUIDE



WHAT'S IN THE BOX?



TR2 Transponder
Direct Power



TR2 Transponder
Holder



Transponder to 12VDC
power source cable

IMPORTANT!

You need to **register and activate** your transponder in the Speedhive App

- ▶ The TR2 Transponder Direct Power is only compatible with Android and iOS devices running Bluetooth 4.0 or higher (most modern mobile phones have this)
- ▶ **Step 1.** Make sure to first mount your transponder to your vehicle before registering, follow the “Positioning the Transponder” and “Mount the Transponder” steps on the next page
- ▶ **Step 2.** After mounting the transponder you need to register it, please follow the “Transponder Registration” steps

**IF YOU DON'T REGISTER AND ACTIVATE YOUR
TRANSPONDER, YOUR TRANSPONDER WILL NOT WORK**

**THIS ONLY APPLIES TO A TR2 TRANSPONDER DIRECT
POWER WITH A 1, 2 OR 5-YEARS SUBSCRIPTION**

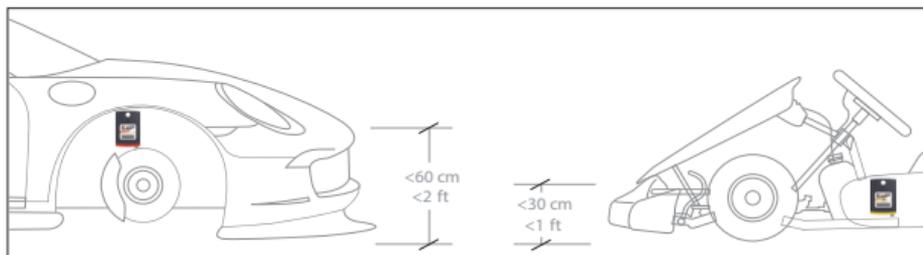
POSITIONING THE TRANSPONDER

The position of the transponder must be identical on all cars, karts or motorbikes competing in the race.

Mount the transponder vertically, max. 30cm (1ft) above the track for kart, 60cm (2ft) for car and 120cm (4ft) for motorbikes. Make sure that the transponder has a clear view to the track with no metal or carbon fibre beneath it.

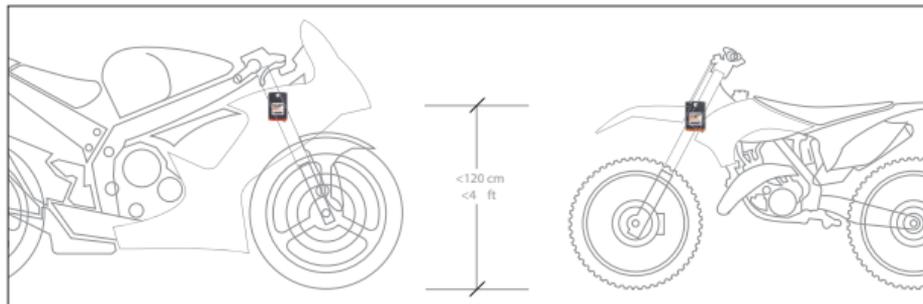
Maximum operating temperature should not exceed 122F/50°C.

CAR & KART



- ▶ TR2 Transponder Direct Power placement height on Car max. 60 cm (2ft) and on Kart max. 30 cm (1ft)
- ▶ Please note that for Car, the front wheel well is the preferred position for the installation of the TR2 Transponder Direct Power

BIKE & MX



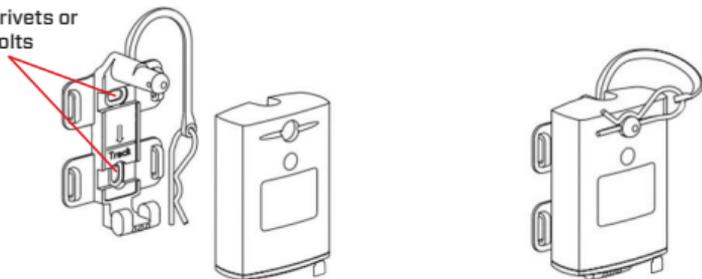
- ▶ TR2 Transponder Direct Power placement height on Bike max. 120 cm (4ft)

MOUNTING THE TRANSPONDER

Make sure that the TR2 transponder holder is mounted securely using screws or rivets to metal, or nuts and bolts and washers to plastic, on both positions of the TR2 transponder holder.

CAR & KART

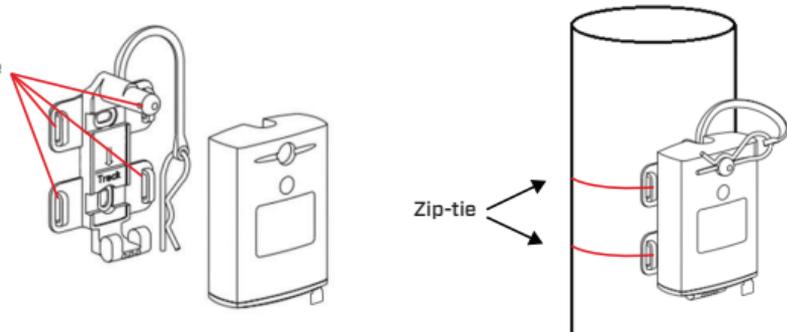
Screws, rivets or
nuts & bolts



- ▶ Mounting the TR2 Transponder Direct Power and holder inside the wheel well of a Car

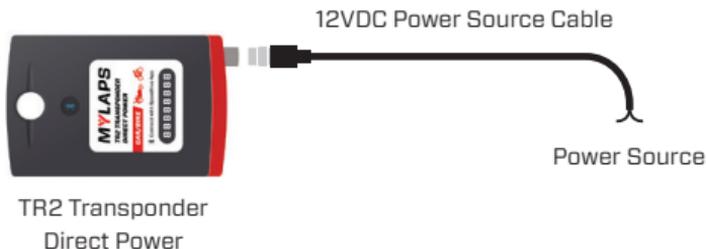
BIKE & MX

Zip-tie



- ▶ Mounting the TR2 Transponder Direct Power and holder to a front fork of a Bike

WIRING UP YOUR TRANSPONDER



Connect the Brown wire to the +12V (2.5A fused circuit) and the Blue wire to ground (chassis). Make sure the TR2 Transponder Direct Power is connected to a **switchable** 12V power supply/battery, to prevent the battery from draining when the vehicle is not in use. If the TR2 Transponder Direct Power is correctly installed and there is 12V present on the wires, the LED lights up.

If the Driver ID helmet plug is not used, seal the White and Black wire ends with heat-shrink tubing.

TRANSPONDER LED INDICATION

LED INDICATION	COLOR	MEANING
● STEADY	GREEN	VALID LICENSE & CONNECTED TO 12V
● BLINKING	RED	SUBSCRIPTION EXPIRED* <i>Transponder will be Bluetooth connectable for 2 minutes after power down, awaiting a new license</i>
● STEADY	RED	TRANSPONDER ERROR
● BLINKING	BLUE	VALID LICENSE & BLUETOOTH CONNECTABLE
● STEADY	BLUE	CONNECTED VIA BLUETOOTH TO SPEEDHIVE APP

TRANSPONDER REGISTRATION

1 MOUNT YOUR TRANSPONDER



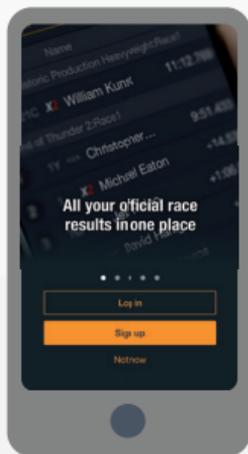
▶ Mount the TR2 Transponder Direct Power to your vehicle

2 DOWNLOAD THE SPEEDHIVE APP



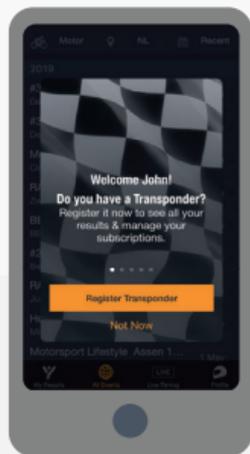
▶ Scan the QR Code to download the Speedhive App

3 LOGIN / SIGN UP IN THE SPEEDHIVE APP



▶ Already logged into your Speedhive account? Then go to 'Profile' and click the 'Register Transponder' button

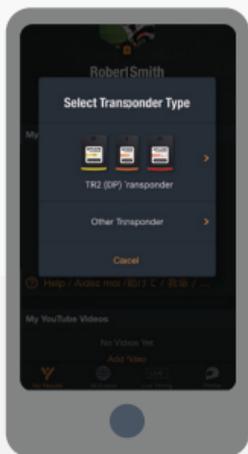
4 TURN ON BLUETOOTH



▶ Make sure to turn on Bluetooth on your mobile device

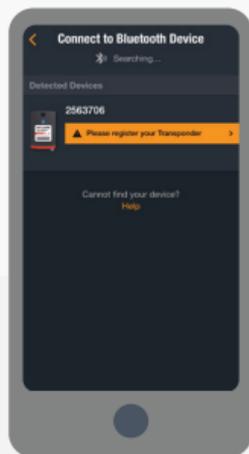
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SELECT TRANSPONDER TYPE



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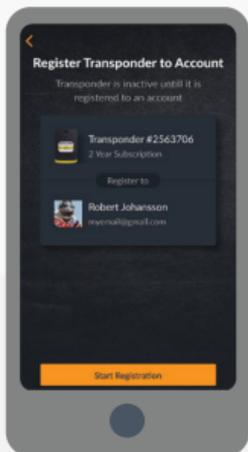
SELECT DETECTED TRANSPONDER



▶ Make sure that the ignition of your vehicle is turned on

7

START TRANSPONDER REGISTRATION



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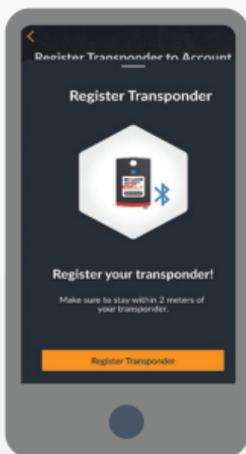
TURN YOUR IGNITION OFF



▶ Turn the ignition (engine) of your vehicle off, this will put your transponder in Bluetooth mode

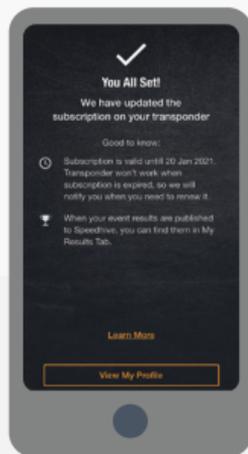
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REGISTER TRANSPONDER



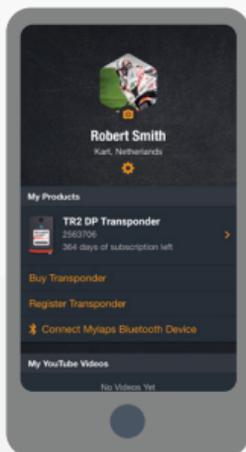
10

YOUR TRANSPONDER IS REGISTERED



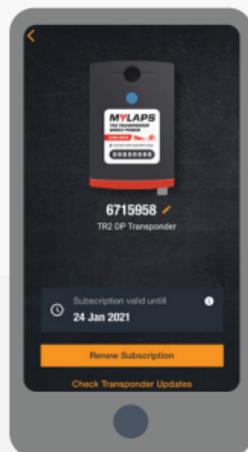
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CHECK YOUR SUBSCRIPTION



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TRANSPONDER DETAILS



► Under the 'My Products' section, tap on your TR2 Transponder Direct Power for Transponder details

OPTIONAL X2 DRIVER ID 2.0 (ONLY AVAILABLE FOR THE TR2 TRANSPONDER DIRECT POWER CAR/BIKE)

MYLAPS X2 Driver ID 2.0

The X2 Driver ID 2.0 lets you record the racing times of multiple drivers separately, making it perfect for team racing. Simply press the button of the X2 Driver ID 2.0 to send Transponder based driver changes information from the vehicle to the timekeeper.

The optional X2 Driver ID 2.0 unit is supplied with an extra cable, please refer to the X2 Driver ID 2.0 unit Quick Start Guide for installation instructions.

LED INDICATION	COLOR	MEANING
 BLINKING	GREEN	Number of blinks represents selected driver ID* <i>If the X2 Driver ID 2.0 is connected</i>

- ▶ The X2 Driver ID 2.0 unit is an optional add-on product
- ▶ The TR2 Transponder Direct Power (Kart & MX) is not compatible with the X2 Driver ID 2.0 unit

Helmet Plug / Rotary Switch

A Driver ID helmet plug or rotary switch can be connected to the White and Blue (ground) wires on the supplied cable. The polarity is of no importance. Make sure both these wires are soldered properly to the Driver ID helmet plug or rotary switch, if available.

PRODUCT OPERATION

Please read and follow all instructions provided with this product and operate for intended use only.

The nominal voltage shall be kept within specifications at all times. The device is internally protected against low energy voltage events which can be expected as a result of supply wire noise, ESD and stub-wire inductance.

If the supply line is shared with inductive loads, care should be taken to ensure high energy voltage events do not reach the device. Automotive environments often include several sources of electrical hazards, such as load dumps (disconnection of battery while charging), relay contacts, solenoids, alternator, fuel injectors etc. The internal protection circuitry of the device is not capable of handling high energy voltage events directly from such sources.

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