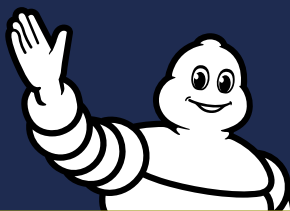


USER GUIDE

***KIT MICHELIN
TRACK CONNECT
MOTORSPORT***



MICHELIN

THE PURPOSE OF THESE INSTRUCTIONS IS TO ASSIST YOU IN INSTALLATION OF THE MICHELIN TRACK CONNECT MOTORSPORT KIT AND ITS MICHELIN TRACK CONNECT MOTORSPORT MODE APP.

You have a Michelin Track Connect Motorsport Kit, now here's how to use it in 10 steps:

- 1. Download the MICHELIN Track Connect app, and create your account**
Available free of charge from your phone's app store (AppStore or PlayStore)
- 2. Purchase connectable tyres from the MICHELIN rally range**
Find out more from your dealer: www.michelinmotorsport.com/Dealers
- 3. Install the receiver in the car or ensure that this has been done correctly if it was installed in the factory by the constructor.** (page 5)
- 4. Install the sensors in the tyre**
Sensor fitting instructions. (page 5)
- 5. Add your car in the app**
Instructions to create your car. (page 9)
- 6. Connect your receiver box**
Pair your phone and your receiver box. (page 9).
- 7. Prepare for your session**
Pair your sensors with your phone and adjust your settings. (page 12)
- 8. Start driving**
Record your session. (page 13)
- 9. Analyze your session**
Check the data on your session. (page 16)
- 10. Check your history**
Analyze and replay your sessions when you want. (page 17)

TABLE OF CONTENTS

1. 1. MICHELIN TRACK CONNECT MOTORSPORT KIT	4
1.1. KIT CONTENTS	4
1.2. DESCRIPTION OF THE KIT	4
1.3. KIT CHARACTERISTICS	4
1.4. MEANING OF THE SYMBOLS	4
<hr/>	
2. 2. INSTALLATION OF THE MICHELIN TRACK CONNECT MOTORSPORT KIT	5
2.1. INSTALLING THE RECEIVER	5
2.2. PURCHASE MICHELIN CONNECTABLE TYRES	5
2.3. INSTALLING THE SENSORS	6
2.4. DOWNLOAD THE MICHELIN TRACK CONNECT APP	7
<hr/>	
3. 3. APP MICHELIN TRACK CONNECT MOTORSPORT MODE	7
3.1. FIRST CONNECTION	7
3.2. MY GARAGE	9
3.2.1. CONFIGURING A VEHICLE	9
3.2.3. ASK TO ADD A VEHICLE NOT SHOWN IN THE LIST	11
3.3. STARTING TO DRIVE "CONNECTED"	11
3.3.1. USE IN RALLIES	11
3.3.1.1. BEFORE DRIVING	12
3.3.1.2. WHEN DRIVING ON THE ROAD	12
3.3.1.3. WHEN DRIVING IN "STAGE MODE"	14
3.4. VIEWING MY HISTORY	15
3.4.1. MY RUN SUMMARY	15
3.4.2. MY HISTORY	15
3.4.3. REVIEW MY RUN	16
3.5. MY PROFILE	18

1. MICHELIN TRACK CONNECT MOTORSPORT KIT

1.1. KIT CONTENTS

The Kit includes all the items required **to connect your MICHELIN connectable rally tyres to your smartphone**. Included in the kit:

- **One receiver and its power cable** to be installed in your vehicle, or already installed by the constructor. This box sends the data between your tyres and your smartphone.
- **4 sensors** to be installed in your tyres, each with a sticker to be affixed directly onto the corresponding rim, so as to be able to position the tyres in the app.

IMPORTANT

In order to use the MICHELIN Track Connect Motorsport kit, you must download the **MICHELIN Track Connect** app, available from your phone's app store (AppStore, PlayStore).

1.2. DESCRIPTION OF THE KIT

A TPMS receiver installed in the cars allows to check the tyre temperatures and pressures, in order to advise the driver on how to adapt the tyre pressure during a race. The device receives signals over 433 MHz and sends data over 2.4 GHz, to/from a smartphone.

1.3. KIT CHARACTERISTICS

Model of the product	MTC-V1 MOTORSPORT
Inputs	5V / I _{max} =400mA
Conditions of use (temperature)	-20°C to +55°C
Watertightness	IP20
Technical characteristics	
RF Frequency	ISM Band 433,92 MHz
BLE frequency	2,48 GHz +4 dBm
Physical characteristics	
Dimensions	78 (L) x 78 (w) x 20 (h) mm
Connection	USB
Colour	Black

1.4. MEANING OF THE SYMBOL



Barred bin: the device must not be thrown away with normal waste. It must be recycled.



Direct current



Product complies with EU requirements

2. *INSTALLATION OF THE MICHELIN TRACK CONNECT MOTORSPORT KIT*

In order to guarantee the MICHELIN Track Connect Motorsport Kit operates correctly, you need to:

- Ensure the receiver is installed correctly in the car
- Be fitted with 4 connectable MICHELIN rally tyres
- Install the sensors in the tyres and link these sensors to your smartphone
- Download the MICHELIN Track Connect app

2.1. INSTALLING THE RECEIVER

The user or constructor is requested to place the receiver box in the centre of the vehicle, on one of the car's two seats. This position allows for optimising signal reception from the four sensors.

2.2. PURCHASE MICHELIN CONNECTABLE TYRES

MICHELIN has developed connectable tyres in which a pocket is installed. This pocket allows for housing a sensor.

To purchase connectable tyres, contact your Michelin Motorsport dealer:

WWW.MICHELINMOTORSPORT.COM/DEALERS

2.3. INSTALLING THE SENSORS

Once in possession of Michelin connectable tyres, you can install the sensors yourself. Contact your Michelin Motorsport dealer if necessary. Here's how to install a sensor in 6 steps:

1. ROLL BACK POCKET

Fold the edges of the pocket back on themselves.

Caution: The inside of the pocket must not be cleaned or lubricated. It must remain dry.



2. POSITION SENSOR

The upper part of the sensor is the antenna. It must be perpendicular to the walls.



3. INSERT SENSOR

Install the sensor against one edge and tilted slightly downwards (1). Push the sensor downwards and press on it (2). The sensor must be completely flat.



4. ROLL UP POCKET AROUND THE SENSOR

When pocket is rolled up over sensor, the rubber lip will be slightly over the sensor and even, all the way around.



5. LABEL

Stick a label on the rim showing the number of the sensor installed in the tyre. This will allow for positioning the sensor correctly on the car when configuring the app.



6. Have the connected tyre fitted on the rim by an authorized professional.



**A tool can be used to insert the sensor.
Contact your Michelin Motorsport dealer.**

2.4 DOWNLOAD THE MICHELIN TRACK CONNECT APP

The MICHELIN Track Connect app can be downloaded from the “store” on your mobile (AppStore, PlayStore). This is what will allow you to benefit from the information coming from your tyres, and from the related advice.

By default, the language in which the App is configured is the language in which the telephone is itself configured. If the App is not available in the language in question, the application will be configured in English by default.

The MICHELIN Track Connect Motorsport Kit allows you access to Motorsport mode in the app MICHELIN Track Connect.

3. APP MICHELIN TRACK CONNECT MOTORSPORT MODE

You have downloaded the MICHELIN Track Connect app. Here’s how to use it:

3.1. FIRST CONNECTION

You must create an account in order to benefit from the various functions.

Select the **REGISTER** button at the bottom of the home screen and enter the information required to create your account:

- E-mail address
- Surname
- Forename
- Login name



Then choose a password and confirm this by entering it a second time. To be valid, your password must comprise at least 8 characters and include at least one upper case and one lower case letter and one special character such as !, @, #, \$, %, ^, &, or *.

Lastly, agree to the general terms and conditions for use and the personal data protection policy, choose whether or not to receive commercial offers from Michelin and validate using the arrow on the bottom right of the screen.

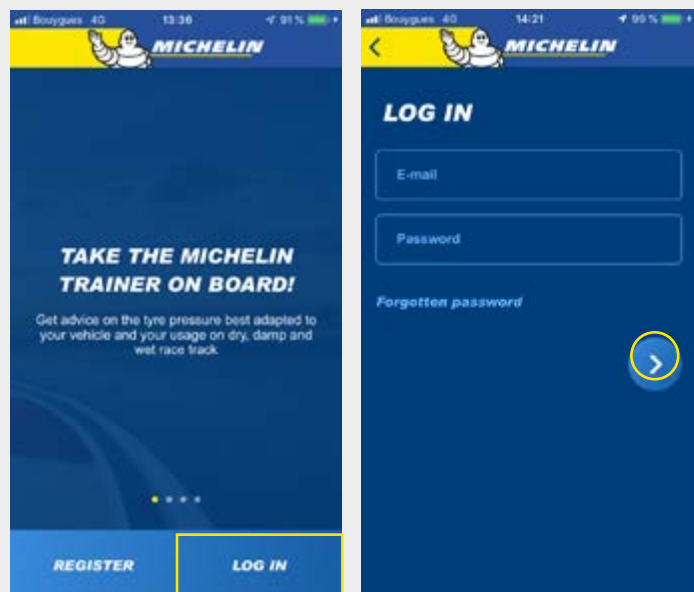
The app will ask you to confirm your preferences regarding the measurement units used in the various menus for the pressure, temperature and distance.

Once this step is completed: **Congratulations!** You are a member of the MICHELIN Track Connect community and you can start to configure your vehicle(s).

COMMENT

If you log out of your account and want to reconnect, simply:

- Select the **SIGN IN** button at the bottom of the App's home screen,
- Enter the e-mail and password used when creating the account,
- Validate the information using the arrow at the bottom right.



3.2. MY GARAGE

3.2.1. CONFIGURING A VEHICLE

You need to add a vehicle to your garage before being able to use MICHELIN Track Connect. To do this, go to the **MY GARAGE** menu. On first use, a message will inform you that your garage is empty. Select the **ADD A CAR** button to configure your first car.





You will then be asked for several elements:

- Vehicle make (select from the list).
- Vehicle model (select from the list).
- Vehicle group (select from the list).
- Tyre dimensions (to be selected from the various options suggested)
- Adjust the camber of your car; this option will also be available in your “pre-run” phase
- Receiver: start to pair your Receiver and your smartphone.
- If you want to configure the Receiver, **ensure that your telephone’s Bluetooth is enabled and that your box is powered on** (connected and indicator flashing) and that the telephone and receiver box are close to each other.

Then press on the **RECEIVER** line.

Select **CONNECT THE RECEIVER** at the bottom of your screen.

Select the reference starting with MMC, checking that this correctly matches the reference shown on the back of your receiver box to access to the Motorsport mode in the app MICHELIN Track Connect. It starts with MMC-xxxxx.

Validate the addition of your vehicle by selecting **ADD CAR** by going to the bottom of your screen:



COMMENT

You can add as many vehicles as you like in **MY GARAGE** provided these vehicles are compatible with the MICHELIN Track Connect Motorsport Kit. To do this, repeat the operations set out above as many times as there are vehicles to add. However, note that the same receiver box can be associated with multiple vehicles. Only the 4-Sensor kits are required to connect your other vehicles.

3.2.3. ASK TO ADD A VEHICLE NOT SHOWN IN THE LIST

If you can't find your vehicle in the list of vehicles compatible with MICHELIN Track Connect, you can request this vehicle be added directly via the app.

To do this, go to the **MY GARAGE** menu and :

- Select **ADD A CAR**,
- Select **I CAN'T FIND MY CAR**,
- Complete the various fields (Make, Model, Group),
- Validate your request by selecting **SEND REQUEST** at the bottom of your screen.

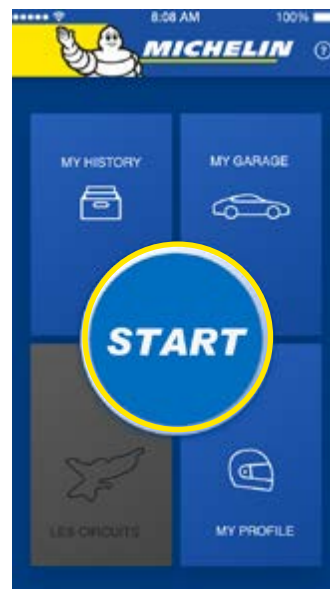
Your request is then sent to the Michelin teams. This request will be examined before being validated or rejected. This request in no way commits the Michelin teams to create the said vehicle.



3.3. STARTING TO DRIVE "CONNECTED"

The **START** button in the centre of the home screen allows you to start your connected driving experience.

In order for your receiver box and your smartphone to communicate, ensure your telephone's Bluetooth is enabled and the receiver box is correctly paired with your phone. By pressing **START**, you access the menu for configuring your session, in the **ROAD** phase.



3.3.1. USE IN RALLIES

3.3.1.1. BEFORE DRIVING

If you have configured several vehicles in the **MY GARAGE** menu, start by selecting the vehicle that you want to use. If you have only configured one vehicle, this will appear by default at the top of your screen, on the **MY CAR** line.



As you are preparing to drive connected before your special:

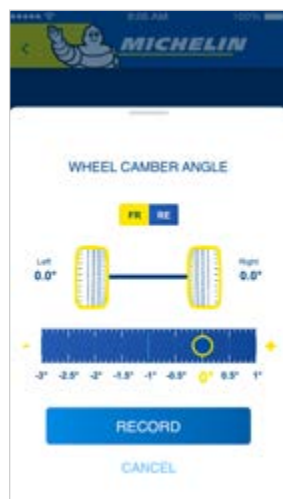
- Select the **ROAD** button,
- Enter your rubber compound
- Also adjust your camber
- Select the driving conditions from the suggestions (Dry and Wet)

The lines comprised of red/orange/green segments recommend the pressure, by axle (Front and Rear), most suited to the vehicle selected and for the use declared.

- For each axle, the green zone corresponds to the optimum operating range.
- The orange zones describe the zones surrounding the green zone, and for which the driver's attention is required.
- The red zones describe unsuitable pressure levels that may harm the integrity of the tyre or the vehicle.

Note that an abnormally low pressure (lower red zone) must be checked as quickly as possible.

*START YOUR SESSION BY PRESSING THE **GO!** BUTTON*



3.3.1.2. WHEN DRIVING IN "ROAD" MODE

After pressing the **GO!** button

Start driving (over 30 kph) in order to activate your sensors. Your tyre pressures appear on the various quadrants.

Once the sensors are active, you can position your tyres on the app according the number of your sensors.

TIP: Your sensor number must be written on the label provided for this purpose during fitting, and then affixed to the corresponding rim. In some cases, the number is pre-printed on the label and all you have to do is affix it.

During this step, you can go directly to **STAGE** mode, by pressing the **SPECIAL** button, without needing to return to the "pre-run" screen.



COMMENT

This pairing stage takes just a few seconds. **Always make sure your telephone's Bluetooth is enabled and that the receiver box is powered on and positioned between the 2 front seats.**

3.3.1.3. WHEN DRIVING IN "STAGE" MODE

The pressure and temperature information appears in the **4 quadrants representing your 4 tyres**. The colour of the quadrants refers to the red/orange/green pressure ranges accessible before driving; STAGE mode allows you to record the data from your session in order to have post-run data giving you the key figures from your session.



- **If your quadrants are green**, this means your tyres are in the ideal pressure range for your car under the conditions of use declared, which means that you are in the optimum range of use for your tyres.
- **If your quadrants are orange**, this means that your tyres are in an unsuitable range of use; this will therefore have an impact on the behaviour of your vehicle and on the life of your tyres.
- **If your quadrants are red**, your tyres are outside of the target pressures, which will have a major impact on the life of your tyres and the behaviour of your vehicle.

When driving, your tyres will heat up and their pressure will increase; it is therefore possible to see the colours change during a drive, however, it is advised you comply with the recommendations given in order to spend the most time at the target pressure.



COMMENT

This screen can be viewed horizontally or vertically and has a dynamic display. In fact, if one of the tyres loses pressure, or even a slow puncture, the co-pilot is sent a direct warning.

This warning will be triggered when the application detects an abnormal loss of pressure in one of the tyres; the quadrant for the tyre in question will flash in order to warn of this slow puncture or abnormal pressure loss.

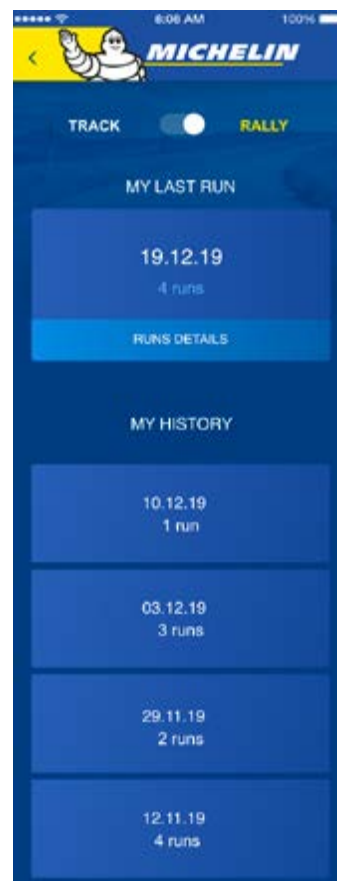
At the end of your session, press the **STOP** button in the centre or at the bottom of your screen in order to save your session.

3.4. VIEWING MY HISTORY

The **MY HISTORY** menu in the upper left of your screen allows you to find all the information relating to your sessions, whether these were on the road or in a special.

3.4.1. MY RUN SUMMARY

Once in the **MY HISTORY** menu, you will find the summary corresponding to your last outing at the top of the screen: **MY LAST OUTING**. You can access the corresponding information by selecting: **RUN DETAILS**. All the runs (driving sessions on track or in specials) made during this outing will appear one after the other.

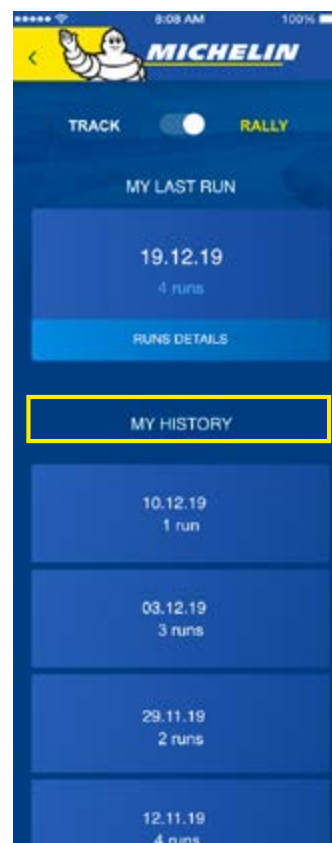


3.4.2. MY HISTORY

You can view the data on road or special sessions. To do this, once in the **MY HISTORY** menu, under the **MY LAST OUTING**, heading you will find the **MY HISTORY** heading.

All your sessions are listed there.

You can access the details and information on these outings by selecting them one by one. As before, you can then find the information about each run of each of your outings by selecting them from the list.



3.4.3. REVIEW MY RUN

At the end of a run you can replay this, either right after stopping your session or later from your history in the **MY HISTORY** menu.

To do this, go to the bottom of the tips page showing the adjustment recommendations and the list of lap times achieved and select **REPLAY**.

The screenshot shows the 'REVIEW MY RUN' interface for a Renault Clio Rally session on 18.09.19. The top section displays the date, weather (09h34 - Dry), and vehicle name. Below this, tyre pressure data is shown for the front-left (FR) and front-right (RE) tyres, both at 0.0° camber. A 'REPLAY MY RUN' button is located at the bottom of the screen.

Annotations on the screenshot include:

- Your vehicle's camber:** Points to the 0.0° camber values for both front tyres.
- Maximum tyre pressure during the session:** Points to the 'Max' value of 2.40 b for the front-left tyre.
- Tyre pressure on starting the session:** Points to the 'Start' value of 2.20 b for the front-left tyre.
- Pressure at the end of your session:** Points to the 'End of Run' value of 2.30 b for the front-left tyre.
- Time needed to reach the optimum zone for using your tyres:** Points to the 'Time to reach green zone' of 04:06 for the front-left tyre.
- Time spent in the optimum zone for your tyres:** Points to the 'Time spent in green zone' of 12:19 for the front-left tyre.

Additional data shown for the front-left tyre (FR):

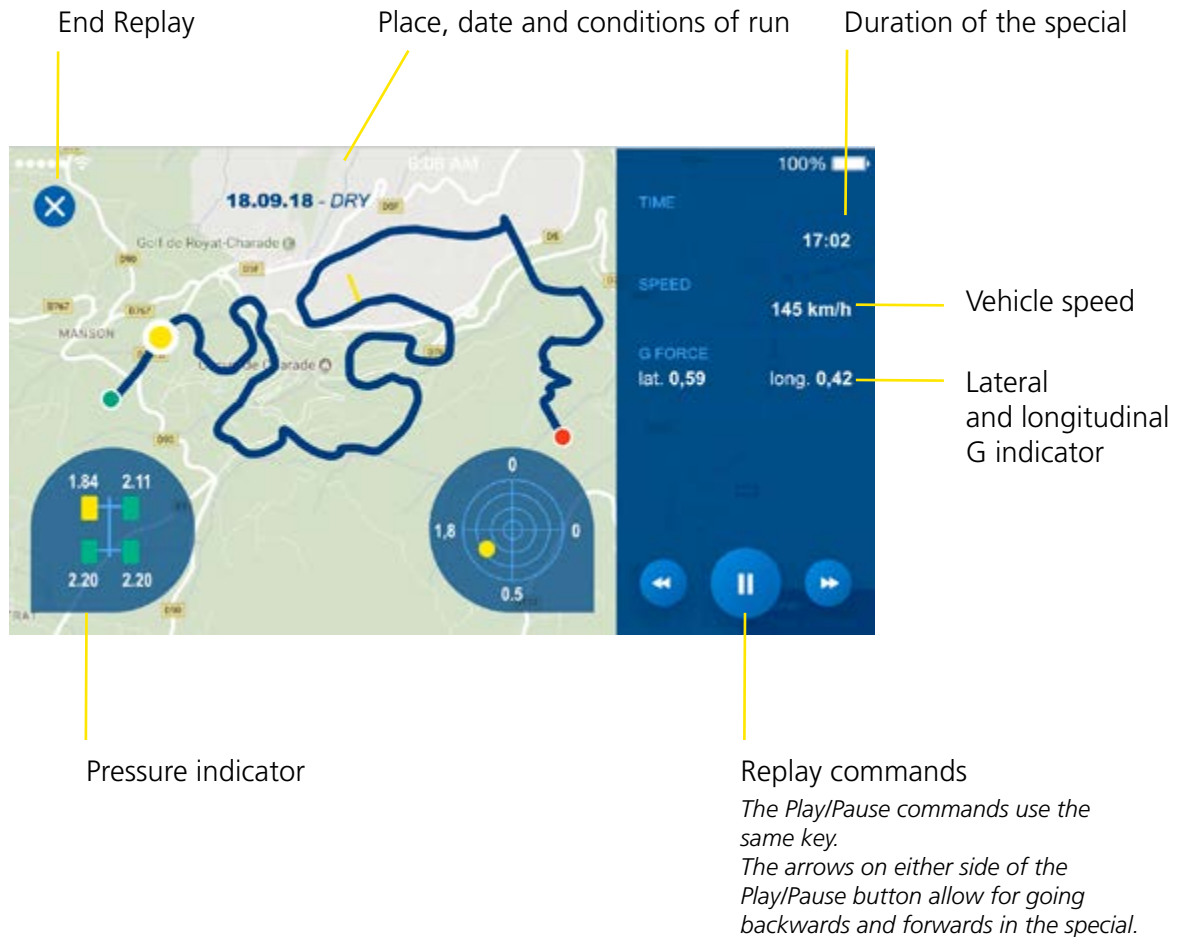
Metric	Value
Start	2.20 b
Max	2.40 b
End of Run	2.30 b
Time to reach green zone	04:06
Time spent in green zone	12:19
KM travelled	7.9
Flexible casing	R11

Additional data shown for the front-right tyre (RE):

Metric	Value
Start	2.20 b
Max	2.40 b
End of Run	2.30 b
Time to reach green zone	04:06
Time spent in green zone	12:19
KM travelled	7.9
Flexible casing	R21

At the bottom of the screen, there is a 'REPLAY MY RUN' button and a 'RUN ASSESSMENT' section showing a star rating of 4 out of 5 stars.

By pressing the **REPLAY MY RUN** button at the bottom of the start replay screen. The dot moving on the display represents your vehicle; you thus benefit from the following information:



COMMENT

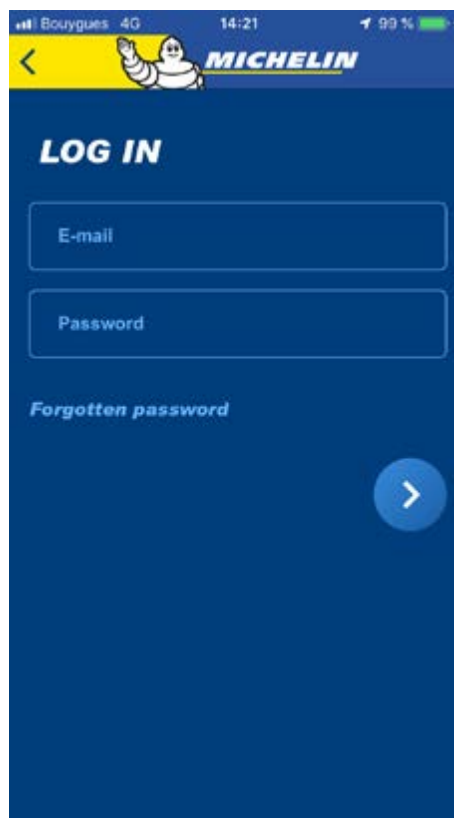
This function allows you to know the moment in the special from which you reached the correct operating range.

3.5. MY PROFILE

In this tab, you can access the information you entered when creating your account.



Till from this screen, you can, if you wish, log out of the app, which will automatically send you to the login screen.



FAQ

You'll find the answers to your questions about the MICHELIN Track Connect Motorsport Kit and its application MICHELIN Track Connect Motorsport mode.

WHAT ELEMENTS MAKE UP THE KIT?

The kit is made up of the following elements:

- 4 sensors
- One receiver box and its power cord.

WHAT APP DO I NEED TO INSTALL ON MY SMARTPHONE TO RECEIVE THE DATA?

The data is processed by and can be viewed using the **MICHELIN Track Connect** app, which must be installed and configured on your telephone in advance (available for iOS and Android devices).

CAN I USE THE KIT ON MY TYRES WITHOUT ADVANCE PREPARATION?

You must purchase **MICHELIN connectable rally tyres**; these connectable tyres have a pocket fixed into the tyre that allows for housing the sensor.

CAN I FIT THE KIT MYSELF ?

The receiver box may sometimes be integrated into the car constructor (e.g. Renault Clio 5). If this is not the case, you must install it yourself. You must purchase connectable tyres from the MICHELIN rally range; these connectable tyres have a pocket fixed into the tyre by the dealer, and as a result you can install the sensors yourself.

WHAT TYRES ARE COMPATIBLE WITH THE KIT?

This kit is compatible with all the MICHELIN connectable rally tyres.

CAN THE KIT BE REUSED FROM ONE SET OF TYRES TO ANOTHER?

The kit can be reused from one set of tyres to another provided the new tyres are equipped with pockets and sensors.

WHAT VEHICLES CAN USE THIS SOLUTION?

All rally vehicles can use this solution.

HOW DO MY SENSORS APPEAR IN THE APP?

The sensors automatically reactivate in the app when you are driving at a speed above 30 kph.

The sensors do not position themselves automatically in the app, you have to replace the sensors once these are displayed; be sure to note the position of your sensors on a sheet of paper or notebook, according to the stickers fixed to the rim in advance.

CONTACT

If you have any questions, contact your
MICHELIN MOTORSPORT tyre dealer:

www.michelinmotorsport.com/Dealers

