

MICHELIN TRACK CONNECT

The first connected tyre on the market to enhance your circuit driving experience

In 2018, Michelin became the first manufacturer to market a connected tyre for amateur drivers wanting to improve their circuit driving and performance during track days.

Why: Following a few laps of a circuit, the individual pressure of each tyre will increase – how much depends on the circuit, the car and the type of driving. This pressure change can have the effect of severely degrading vehicle performance and tyre wear.

What pressure to put in each tyre?

Every driver would love to have a Michelin engineer by their side advising them! MICHELIN Track Connect can help make this dream come true by helping the driver with customised, informed advice about adjusting tyre pressures to improve performance and driving fun. MICHELIN Track Connect will assist the driver before, during and after each circuit run.

Before

The application recommends the most suitable pressure for the vehicle's tyres and for the driving conditions: dry, damp or wet circuit.

During

MICHELIN Track Connect gives the driver real-time information about the pressure and temperature of each of the vehicle's four tyres. The sensors inside the tyre can accurately measure the pressure and temperature of the tyres and will analyse any changes as the vehicle goes around the track. Based on these parameters, the smartphone application acts as an interface for the driver and formats the information to help the driver interpret it correctly, and will guide them as they optimise the calibration of the tyre pressure. For instance, with MICHELIN Track Connect, the driver is in a position to know whether their tyres are operating within the optimal limits according to the track driving conditions as defined by the driver (dry/damp/wet circuit). It is also possible for the driver to see how their vehicle is behaving (oversteering or understeering) according to the analysis of changes in the balance between front and rear tyre pressures.

After

MICHELIN Track Connect will indicate and suggest the adjustments needed before returning to the circuit. In order to provide a more detailed analysis, all the data is stored and can be accessed at a later stage so the driver may examine their performance and that of their tyres between two runs. Under intensive circuit driving, the brakes are in big demand and this can lead to a big heat build-up in the rims. This heat build-up can distort pressure measurements taken at the valve and make them less accurate. This is why the Michelin Track Connect sensor is positioned inside the tyre to

make sure that the recorded tyre temperature is reliable and accurate; this positioning of the sensor is protected by a patent. The sensors send information to a receiver placed inside the vehicle, so there is no need for any professional intervention or special tool to be used. The receiver then sends the information to the driver's smartphone, where the appropriate application has been installed.

Latest Developments

In 2019, Michelin Track Connect has been improved following user feedback from tests conducted in the USA, Europe and China. The new version has been enhanced with four new features:

- Warm-up mode
- Manometer mode
- Team mode
- Sharing mode for social networks.

The warm-up mode allows the driver to compensate for the initial temperature rise of the tyres, before making the first adjustments to the pressures.

Manometer mode or Pressure gauge mode, allows the smartphone to view live pressure adjustment advice for the four tyres due to the accuracy of the sensors, without using an external pressure gauge.

The Team mode and Sharing mode make it possible to create a group with friends or club members, and to share actual performance and results within the Team and on social networks.

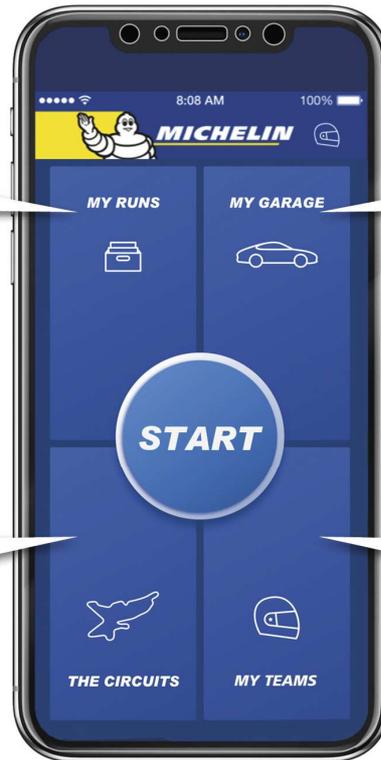
MY RUNS is used by the driver to browse their history and retrieve all information about past runs. The runs are sorted by circuit.

MY GARAGE is used to declare and configure the driver's vehicle(s) that are equipped with MICHELIN Pilot Sport Cup2 Connect tyres. The driver may add or delete a vehicle at any time.

THE CIRCUITS is used to retrieve information about the various tracks and circuits that are preloaded in the app. It can also guide the driver to the circuit he chooses from the menu.

THE START button is used to start up the connected run experience.

MY TEAMS new in 2019, this mode makes it possible to create a team with friends or club members and to share the performances achieved by the team.



With MICHELIN Track Connect, drivers during track days can now drive more confidently and take full advantage of the potential of MICHELIN Pilot Sport Cup2 Connect tyres; always faster and with tyres that last longer thanks to the adapted pressures recommended by the App. The MICHELIN Track Connect connected tyre application is compatible with the MICHELIN Pilot Sport Cup2 Connect tyres, exclusively developed for this offering with 18 dimensions, seven of which will be available progressively throughout 2019.

LIST OF SIZES

235/40 ZR18 (95Y) XL PILOT SPORT CUP 2 CONNECT MI

245/35 ZR18 (92Y) XL PILOT SPORT CUP 2 CONNECT MI *NEW 2019*

295/30 ZR18 (98Y) XL PILOT SPORT CUP 2 CONNECT MI

235/35 ZR19 (91Y) XL PILOT SPORT CUP 2 CONNECT MI

245/35 ZR19 (93Y) XL PILOT SPORT CUP 2 CONNECT MI

265/35 ZR19 (98Y) XL PILOT SPORT CUP 2 CONNECT MI *NEW 2019*

P285/30 ZR19 (94Y) PILOT SPORT CUP 2 ZP CONNECT MI *NEW 2019 US ONLY*

305/30 ZR19 (102Y) XL PILOT SPORT CUP 2 CONNECT MI

305/30 ZR19 (98Y) PILOT SPORT CUP 2 CONNECT MI *NEW 2019 US ONLY*

315/30 ZR19 (100Y) PILOT SPORT CUP 2 CONNECT MI *NEW 2019 US ONLY*

325/30 ZR19 (105Y) XL PILOT SPORT CUP 2 CONNECT MI

235/35 ZR20 (92Y) XL PILOT SPORT CUP 2 CONNECT MI *NEW 2019*

245/35 ZR20 (95Y) XL PILOT SPORT CUP 2 CONNECT MI

265/35 ZR20 (99Y) XL PILOT SPORT CUP 2 CONNECT MI

295/30 ZR20 (101Y) XL PILOT SPORT CUP 2 CONNECT MI

305/30 ZR20 (103Y) XL PILOT SPORT CUP 2 CONNECT MI

P335/25 ZR20 (99Y) PILOT SPORT CUP 2 ZP CONNECT MI *NEW 2019 US ONLY*

325/30 ZR21 (108Y) XL PILOT SPORT CUP 2 CONNECT MI

The Michelin Track Connect solution will be marketed this year in North America, China and the United Arab Emirates.

The MICHELIN Track Connect application is compatible with most sports cars participating in trackdays: Porsche 911, Cayman, Boxster, Ferrari 458 and 488, Renault Megane RS, Ford Focus RS, Honda Civic, Golf GTI; Audi S, BMW M, etc.