

THE PERFORMANCE BOOST FOR YOUR CAR



**RACE
CHIP**

SIMPLY FASTER.



"PERFORMANCE UPGRADE? I CHOOSE RACECHIP!"

Nick Heidfeld has been brand ambassador for RaceChip Chiptuning since April 2017. He currently races in Formula E and was one of the most successful German drivers in Formula 1 from 2000 to 2011. Nick is so impressed with RaceChip's products that he uses them in his own cars.

NICK HEIDFELD

FORMULA E AND FORMULA 1
DRIVER AS WELL AS RACECHIP
BRAND AMBASSADOR



GERMAN PERFORMANCE ENGINEERING

- ✓ Top-quality German engineering
- ✓ Team of 100 in three locations (Stuttgart, Munich, Shanghai)
- ✓ Recipient of multiple awards from motoring press
- ✓ Over 100,000 RaceChip products sold every year

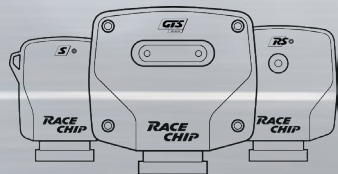
RE-DISCOVER

PERFORMANCE UPGRADE IN ALL SITUATIONS

Up to 30% more power and torque, punchier midrange, stronger acceleration and sharpened responsiveness; you will love the new abilities RaceChip's chip tuning gives your car.

Up to
30%
more power and
torque

Up to
15%
fuel savings



Chip tuning from page 4



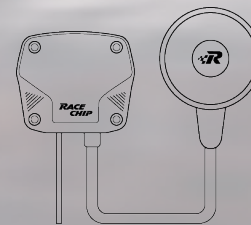
YOUR CAR

Innovative throttle tuning for **improved dynamics**

Sharper responses and no irritating “pauses for thought” thanks to **RaceChip XLR**

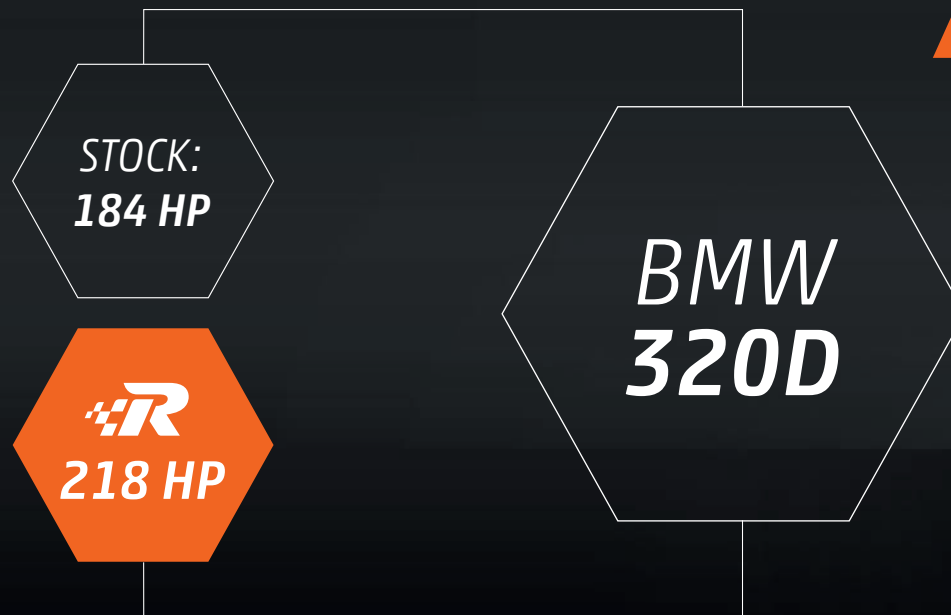
THROTTLE TUNING FOR MORE DRIVING ENJOYMENT

We developed RaceChip XLR to increase responsiveness on the road. **The innovative throttle tuning lets you tune your engine’s reactions** – there are 7 separate stages to suit your taste. You will love your car’s improved dynamics – we promise.



Throttle tuning from page 20

ACTIVATE HID

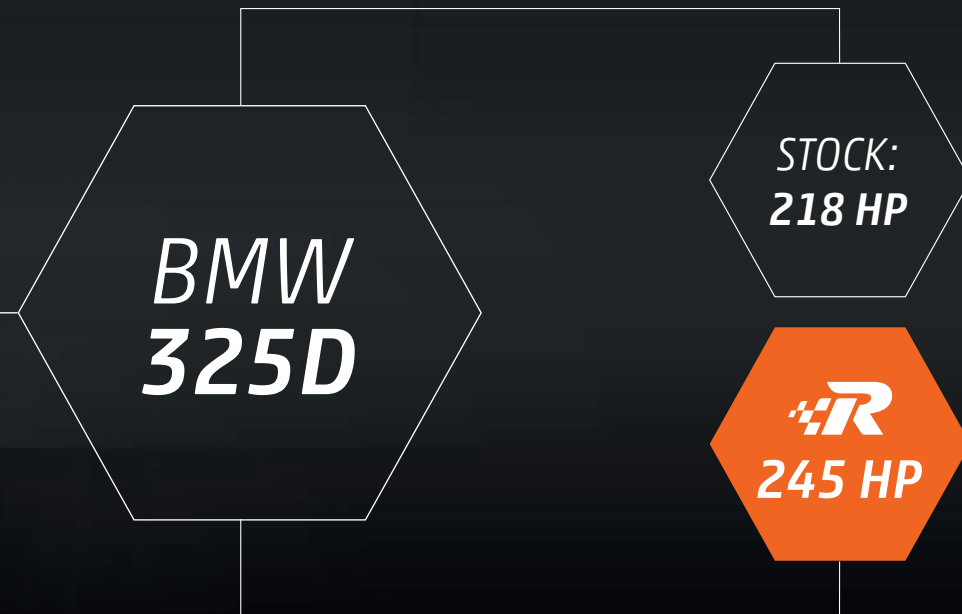


Same engine in both models



With today's turbocharged cars, manufacturers often use the same basic engine but offer it with several power outputs. For example, the BMW 320d has a 2-litre engine producing 184 HP in stock tune. The RaceChip GTS boosts that to 218 HP.

DEFINING POTENTIAL



The BMW 325d has the same 2-litre engine but with BMW's own tuning, it also produces 218 HP. RaceChip GTS Black improves on that, stretching the output to a healthy 245 HP. And RaceChip's products can release similar power reserves from the bigger engine as well.



THE BASE CHIP – SOLID PERFORMANCE AND HIGH QUALITY

The base chip. Latest hardware coming from the automotive industry, engine-specific adjustments, and comprehensive services offer the perfect package to chip tuning first-timers.

+20% power¹

+20% torque¹

FEATURES OF RACECHIP S



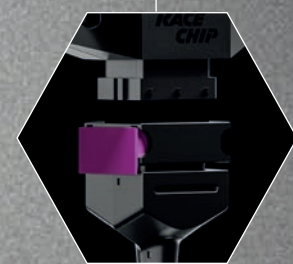
5 fine tuning mappings



Up to 10% fuel savings



Fine tuning via **rotary control** on the top side



Easy Plug & Play installation



Eyelets to fix RaceChip S in the engine bay



THE BESTSELLER – HIGH PERFORMANCE AND SAFETY

The bestseller. A completely new optimization software with enhanced engine-specific adjustments, high-quality hardware will make every driver's heart beat faster.

+25% power¹

+25% torque¹

FEATURES OF RACECHIP RS



6 fine tuning mappings



Up to **15%** fuel savings

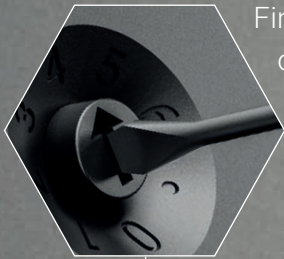


Re-programming available if you change cars



App control
(optional)

⁽¹⁾ Possible values



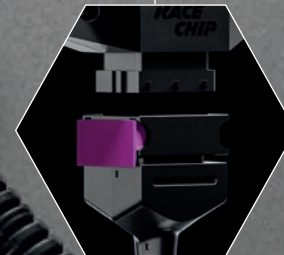
Fine tuning via **rotary control** on the front side



Optional **app control**



Pro fixing system to mount RaceChip RS in the engine bay



Easy Plug & Play installation



**NEU: PERFORMANCE 2.0
MIT RACECHIP GTS & GTS BLACK**

BMW

3er (F30-31/34) (L

325d (218

GETESTET UND BEKANNT AUS:

TopGear

TESTERGEBNIS
WIRKUNGSGRADE
SEHR GUT
BMW 3er
mit RaceChip
★★★★
SPARVERGICH

+30% mehr

Lassen
30%





THE PREMIUM CHIP – TOP PERFORMANCE AND QUALITY

The premium chip for your car. State-of-the-art industry-grade hardware, engine-specific mappings come together to bring you a driving experience you will love.

+30% power¹

+30% torque¹

FEATURES OF RACECHIP GTS



7 fine tuning mappings



Up to **15%** fuel savings



1x re-programming if you change your car



App control
(optional)



Perfect fine tuning via
Digital User Interface



Optional
app control



Easy Plug & Play
installation



Pro fixing system to mount
RaceChip GTS in the engine bay





RaceChip GTS Black offers all the same benefits as GTS plus some extra premium features.



Custom engineered for performance engines with **special calibration**



Integrated warm-up timer

(1) Possible values



THE BEST – NEXT LEVEL PERFORMANCE FOR PETROLHEADS

The best of its kind for high-performance cars. State-of-the-art industry-grade hardware, up-to-the-minute software, ultra-modern technology (up to 7 analogue and digital channels) – everything a petrolhead wants.

+30% power¹

+30% torque¹

FEATURES OF THE RACECHIP GTS BLACK



7 fine tuning mappings



Up to **15%** fuel savings



1x re-programming if you change your car



Warm-Up timer



App control
(optional)



+20%
power & torque¹

The base chip. Solid performance and high quality.



5 fine tuning mappings



Up to **10%** fuel savings



+25%
power & torque¹

The bestseller. High performance and complete safety.



6 fine tuning mappings



Up to **15%** fuel savings



Re-programming available
if you change cars



App control (optional)

(1) Possible values



+30%
power & torque¹

The premium chip. Phenomenal performance and quality.



7 fine tuning mappings



Up to **15%** fuel savings



1x re-programming if you change your car



App control (optional)



+30%
power & torque¹

Available for selected vehicles

The best. Next level performance for petrolheads.



7 fine tuning mappings



Up to **15%** fuel savings



1x re-programming if you change your car



Warm-Up timer



App control (optional)

MORE PERFORMANCE WITH THE RACECHIP APP

The RaceChip app allows you to setup your car exactly as you want it. **Choose from one of the three stages on your smartphone**, depending on whether you want to drive economically, energetically or with the responsiveness of a racing car.

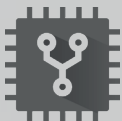
The app control is available for **RaceChip RS, GTS and GTS Black** as well as for the **throttle tuning RaceChip XLR**.



Three distinct performance modes



Adjustable **warm-up timer**



Individual fine tuning mappings



Automatic updates

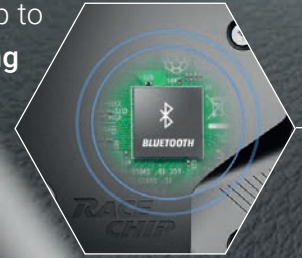


Advanced **service features**



Control of **RaceChip XLR** also possible

Use the RaceChip app to **control our chip tuning and throttle tuning** products



Available for all current smartphones running **Android or iOS** as operating system



RACE
CHIP

GTS



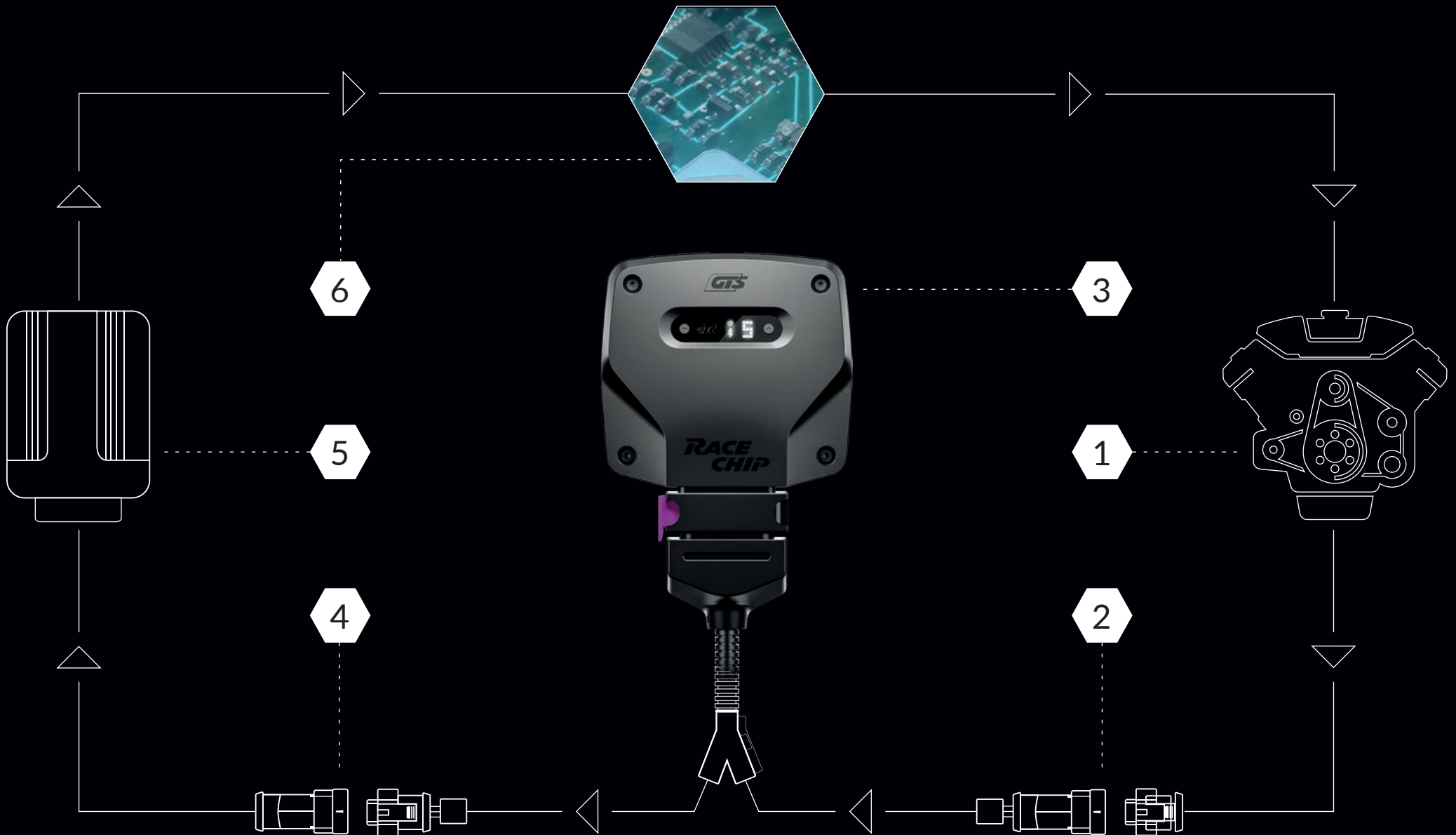
WARMUP TIMER ON

7:00



Three separate settings for chip tuning, seven for throttle tuning

THE RACECHIP AND HOW IT WORKS



1 **Engine and ancillaries**

2 **Original values from sensors**

The data collected from the engine by the sensors is sent to the RaceChip.

3 **RaceChip GTS**

The RaceChip optimizes the original values in real time and sends them to the ECU.

4 **Optimized data**

The optimized data is sent to the ECU (e.g. injection pressure, amount of fuel injected, air flow, etc.)

5 **Engine Control Unit (ECU)**

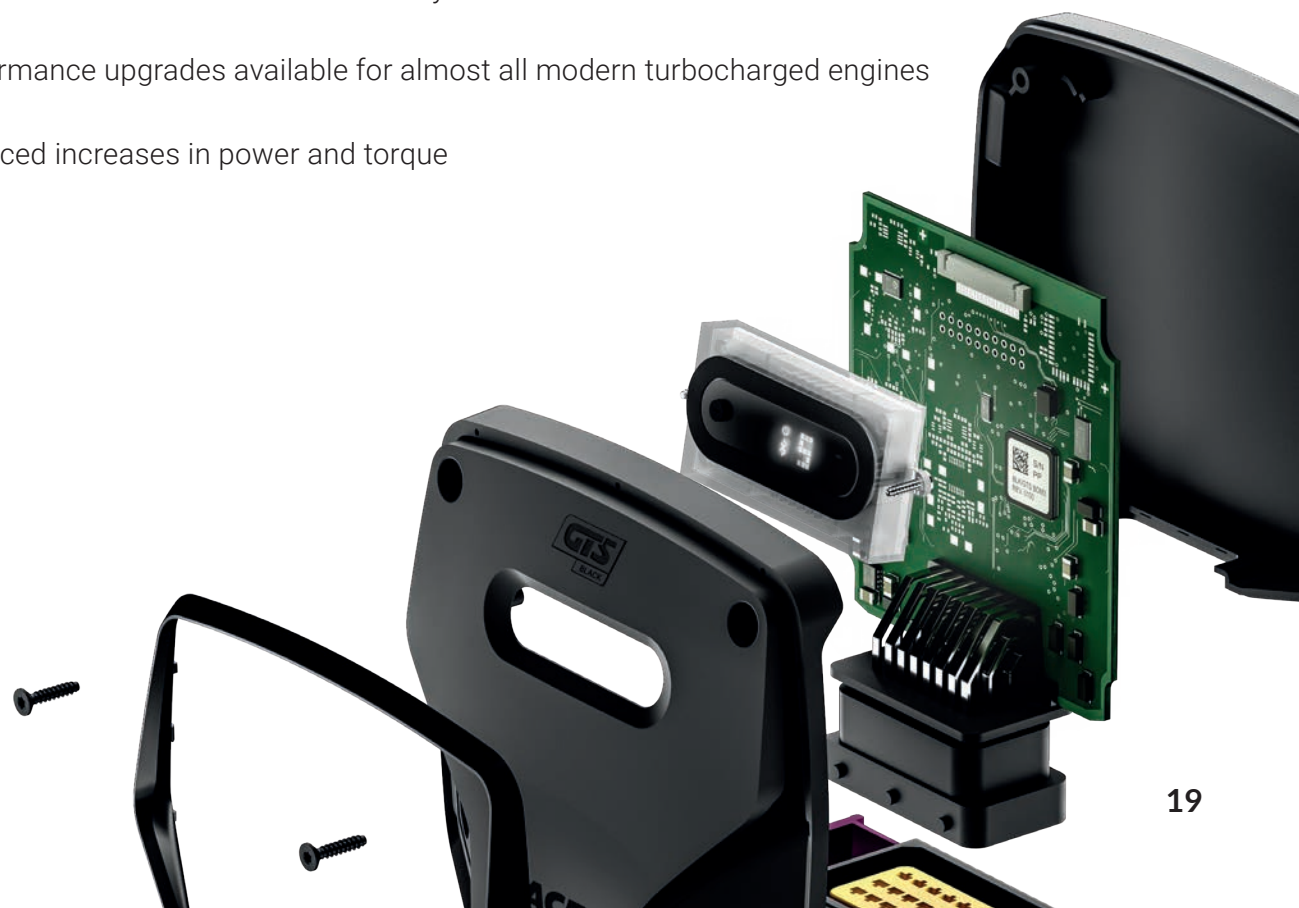
The car's stock ECU processes the optimized data and sends it to the relevant actuators.

6 **Re-calculated, optimized values**

ADVANTAGES OF RACECHIP OVER RE-MAPPING

There are two approaches in electronic performance upgrade; the first uses the car's onboard diagnostics system (OBD tuning), the second uses an additional electronic device. OBD tuning works by directly altering the engine mapping and electronics. Additional devices like RaceChip's products improve performance by optimizing the electronic signals used to run the engine. RaceChip's approach has several advantages over conventional re-mapping and is a better choice for many drivers.

- ✓ Performance increases remain within the engine's reserves
- ✓ The engine's own protection programs are untouched
- ✓ Car can be reverted to stock tune at any time
- ✓ Performance upgrades available for almost all modern turbocharged engines
- ✓ Balanced increases in power and torque



OPTIONAL WITH



APP CONTROL

Controller for selecting
tuning stages (not
needed if app control
is used)



The **Brainbox** monitors and
controls all the processes
involved in optimizing
throttle response



The **optional app control**
allows you to choose
between 7 separate
settings right from your
smartphone





THROTTLE TUNING – MAXIMUM DRIVING PLEASURE

With the RaceChip XLR, you can easily tune your car's throttle response to your taste – from a comfortable sedan to a racy sports car.

FEATURES OF RACECHIP XLR



More direct throttle response



7 separate tuning stages



No official approval needed



Easy to install



Perfect addition to chip tuning

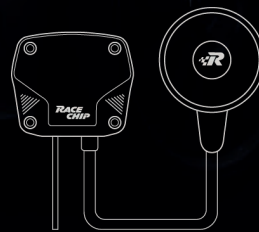


App control (optional)

HOW RACECHIP XLR WORKS:



XLR processes the values from the stock **throttle sensor** in real time.



The engine's responses are optimized to match the settings on the controller (or in the app).



SIMPLE, SAFE, FAST

5X TOP RATING "VERY GOOD" FROM EUROPE'S
TOUGHEST MOTORING JOURNALISTS



TESTERGEBNIS
AUTO BILD SPORTSCARS

SEHR GUT

AMG C43 T
mit RaceChip Ultimate
★★★★★
Ausgabe 6/2017

Auto Bild sports cars

TESTERGEBNIS
AUTO BILD SPORTSCARS

SEHR GUT

RaceChip Panamera 4S Diesel
★★★★★
Ausgabe 8/2017

Auto Bild sports cars

TESTERGEBNIS
AUTO BILD SPORTSCARS

SEHR GUT

RaceChip RS 3
★★★★★
Ausgabe 9/2016

Auto Bild sports cars

TESTERGEBNIS
AUTO BILD SPORTSCARS

SEHR GUT

Racechip Macan Turbo
★★★★★
Ausgabe 5/2016

Auto Bild sports cars

TESTERGEBNIS
AUTO BILD SPORTSCARS

SEHR GUT

RaceChip Golf R
★★★★★
Ausgabe 11/2015

Auto Bild sports cars