

**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. And our **comprehensive service and warranty package** means peace of mind when you are driving.

Up to  
**30%**  
more power and  
torque

Up to  
**15%**  
fuel savings



Chip tuning from page 4



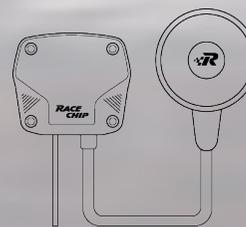
# R YOUR CAR

Comprehensive **warranty on product and engine**

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

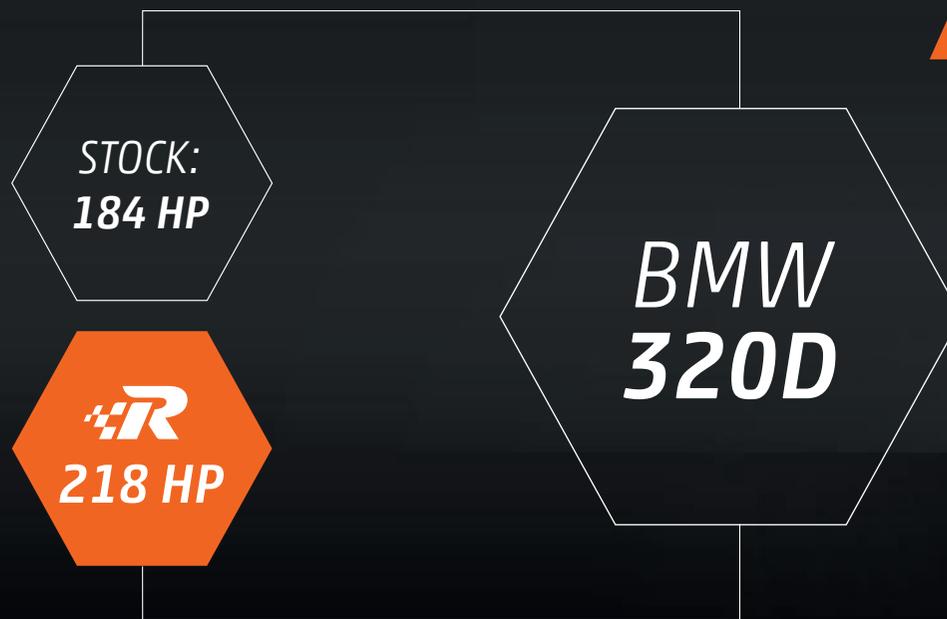
## ***THROTTLE TUNING FOR MORE DRIVING ENJOYMENT***

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

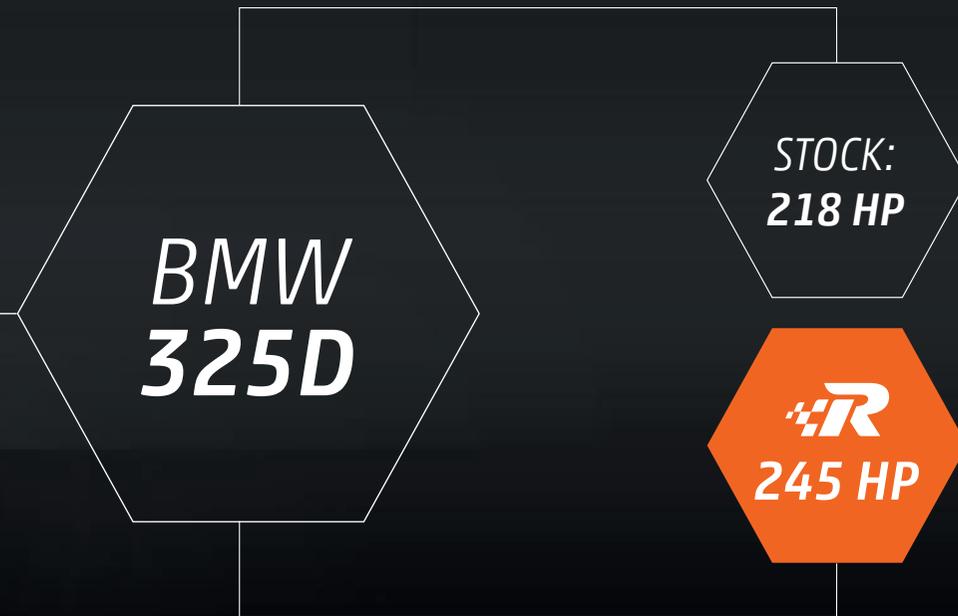


Same engine in both models



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% power<sup>1</sup>**

**+20% torque<sup>1</sup>**

### ***FEATURES OF RACECHIP S***



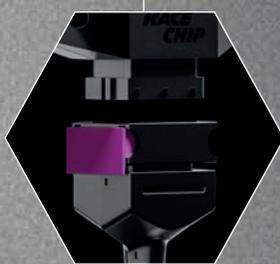
5 fine tuning mappings



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 as well as a comprehensive service and warranty package will make every driver's heart beat faster.

+25% power<sup>1</sup>

+25% torque<sup>1</sup>

### FEATURES OF RACECHIP RS



6 fine tuning mappings



Up to 15% fuel savings



1-year engine warranty<sup>2</sup>  
(up to 3,000 EUR)



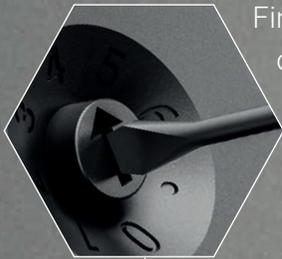
Re-programming available if  
you change cars



App control  
(optional)

(1) Possible values

(2) The countries for which the engine warranty is valid can be found at: [www.racechip.com/engine-warranty](http://www.racechip.com/engine-warranty). Please note only the stipulated conditions on the official RaceChip website are applicable.



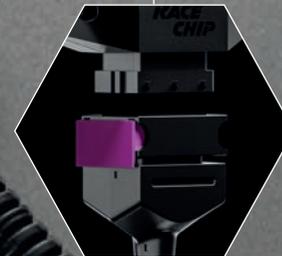
Fine tuning via **rotary control** on the front side



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

SEHR GUT

AMT 2017

mit RaceChip Tuning

4.5/5

SPURPRESSE

+30% mehr

Lassen

30%



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## THE PREMIUM CHIP – TOP PERFORMANCE AND QUALITY

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

+30% power<sup>1</sup>

+30% torque<sup>1</sup>

### FEATURES OF RACECHIP GTS



7 fine tuning mappings



Up to **15%** fuel savings



**2-year** engine warranty<sup>2</sup>  
(up to 5,000 EUR)



**1x** re-programming if you  
change your car<sup>3</sup>



**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 and extended engine warranty**



Integrated warm-up timer

(1) Possible values (2) The countries for which the engine warranty is valid can be found at: [www.racechip.com/engine-warranty](http://www.racechip.com/engine-warranty). Please note only the stipulated conditions on the official RaceChip website are applicable (3) If there is a price difference between the products for your old and your new car, there may be an additional charge. Please refer to our Terms and Conditions for more information.



## 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), comprehensive safety and service package – everything a petrolhead wants.

**+30% power<sup>1</sup>**

**+30% torque<sup>1</sup>**

### FEATURES OF THE RACECHIP GTS BLACK



7 fine tuning mappings



Up to **15%** fuel savings



**2-year** engine warranty<sup>2</sup>  
(up to 10,000 EUR)



**2x** re-programming if you change your car<sup>3</sup>



**Warm-Up** timer



**App control**  
(optional)

**Special note:** RaceChip GTS Black is available for selected performance cars with over 200 HP. Check whether your car is one of them by going to our online shop or contacting our Customer Service.



**+20%**  
power & torque<sup>1</sup>

The base chip. Solid performance and high quality.



5 fine tuning mappings



Up to **10%** fuel savings



**+25%**  
power & torque<sup>1</sup>

The bestseller. High performance and complete safety.



6 fine tuning mappings



Up to **15%** fuel savings



**1-year** engine warranty<sup>2</sup>  
(up to 3,000 EUR)



**Re-programming** available  
if you change cars



**App control** (optional)

**GTS**



**+30%**  
power & torque<sup>1</sup>

The premium chip. Phenomenal performance and quality.



7 fine tuning mappings



Up to **15%** fuel savings



**2-year** engine warranty<sup>2</sup>  
(up to 5,000 EUR)



**1x** re-programming if you  
change your car<sup>3</sup>



**App control** (optional)

**GTS**  
BLACK



**+30%**  
power & torque<sup>1</sup>

Available for selected vehicles

The best. Next level performance for petrolheads.



7 fine tuning mappings



Up to **15%** fuel savings



**2-year** engine warranty<sup>2</sup>  
(up to 10,000 EUR)



**2x** re-programming if you  
change your car<sup>3</sup>



**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.

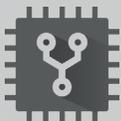
The app control is available for **RaceChip RS, GTS and GTS Black** as well as for the **throttle tuning RaceChip XLR**.



**Three** distinct performance modes



Adjustable **warm-up timer**



**Individual** fine tuning mappings



**Automatic updates**

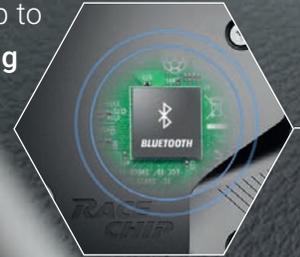


Advanced **service features**



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



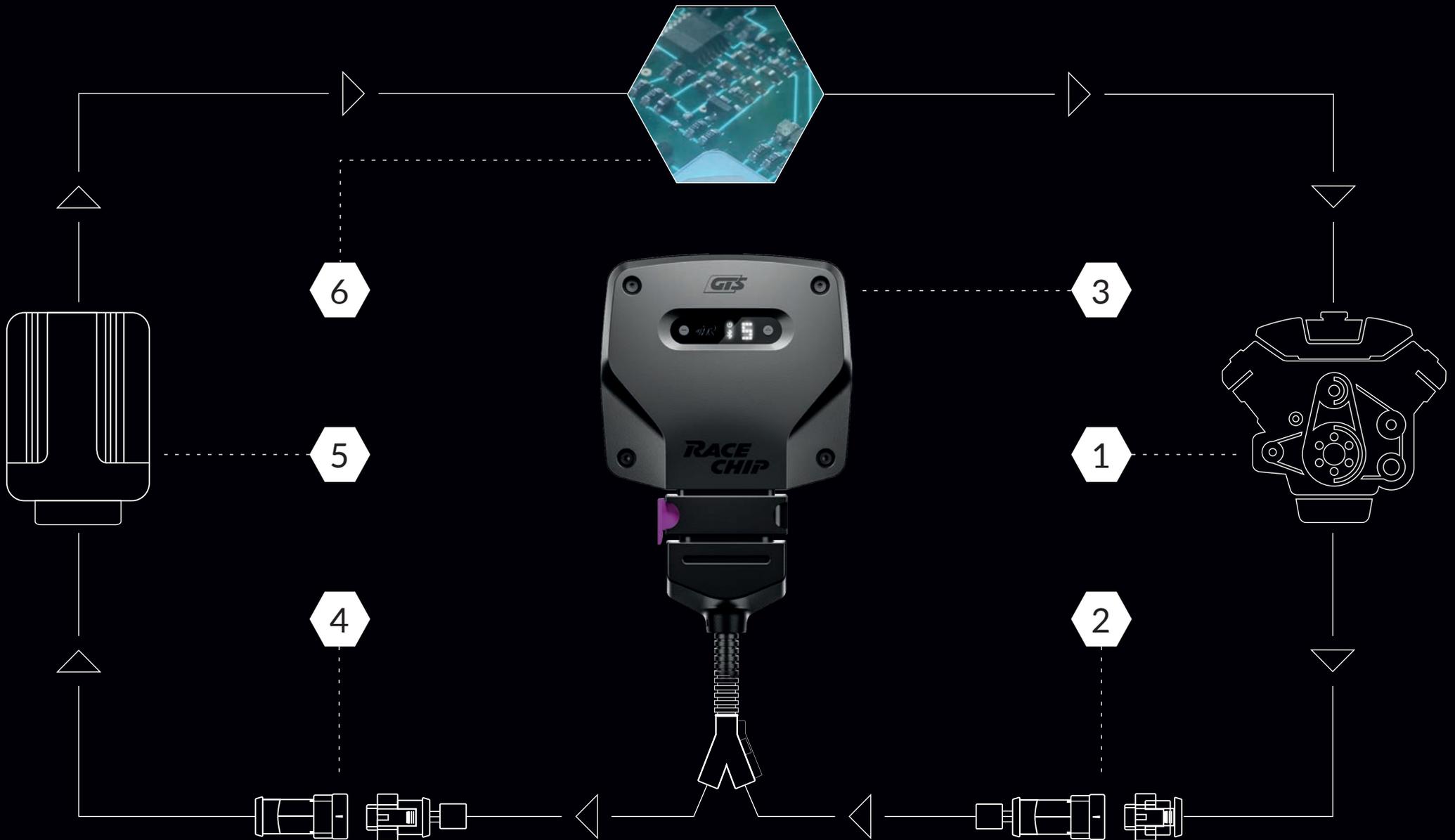
WARMUP TIMER  ON

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)**

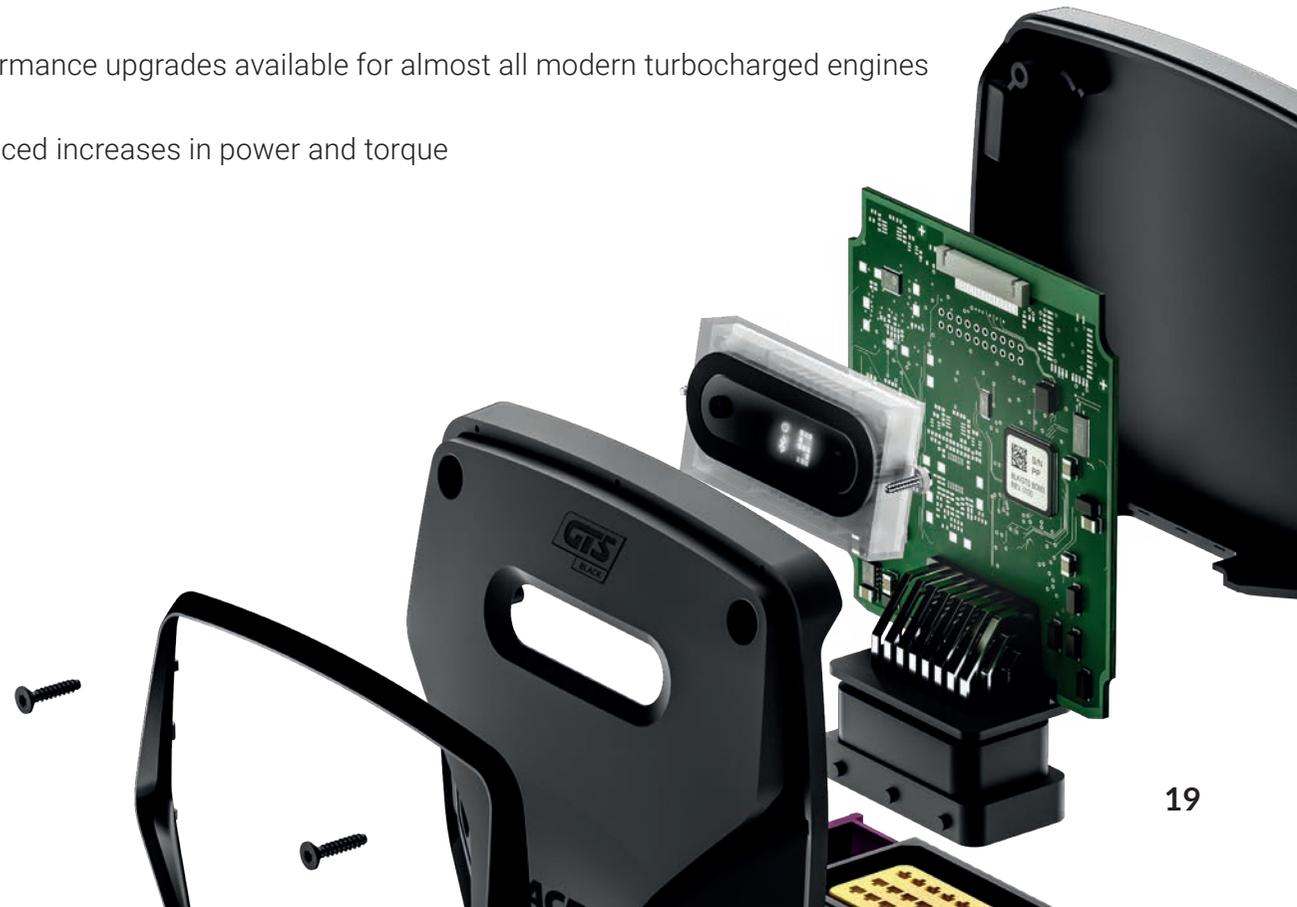
The car's stock ECU processes the optimized data and sends it to the relevant actuators.

## 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, S

## COMPREHENSIVE WARRANTY ON PRODUCT AND ENGINE

More performance with maximum peace of mind with RaceChip's engine and product warranty. We want you to enjoy your RaceChip performance upgrades without worrying, and that is why we offer a comprehensive warranty package on our products. With GTS Black, GTS and RS, we give you a warranty on your engine as well:

✓ All important engine components are covered

✓ Warranty up to 100,000 km and 5 years from date of first registration



✓ Still applies after the manufacturer's warranty has expired

✓ Up to 10,000 EUR in case of damage (for GTS Black), no deductible

# SAFE, FAST



# AVAILABLE FOR ALMOST ALL CAR MANUFACTURERS

ALFA ROMEO

ALPINA

**AUDI**

**BMW**

CADILLAC

CHEVROLET

CHRYSLER

CITROEN

DACIA

DAEWOO

DODGE

FIAT

**FORD**

HONDA

HYUNDAI

INFINITI

ISUZU

IVECO

**JAGUAR**

JEEP

**KIA**

LANCIA

LAND ROVER

LEXUS

MASERATI

MAZDA

**MERCEDES-BENZ**

MINI

MITSUBISHI

NISSAN

**OPEL**

PEUGEOT

**PORSCHE**

RENAULT

SAAB

**SEAT**

**SKODA**

SMART

SSANGYONG

SUBARU

SUZUKI

TOYOTA

VOLVO

**VW**

## RACECHIP CUSTOMER SERVICE

If you want to know more about our products, our Customer Service team will be happy to help. Whether you are thinking about buying one of our products or have questions about the installation, the engine warranty or the status of your order, please contact us – we are looking forward to hearing from you!

### CONTACT DETAILS:

Hotline: **+49 7161 1584 – 999**

Online: **WWW.RACECHIP.COM/CUSTOMER-SUPPORT**



Optimal performance



Better fuel economy



Chip tuning market leader



Up to 2 years of engine warranty



Made in Germany



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



**RACE  
CHIP**