

Product Information  
myHusqvarna app



Husqvarna<sup>®</sup>  
MOTORCYCLES

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# Introduction

Accompanying the launch of the 2021 motocross range is the new myHusqvarna app. The myHusqvarna app together with the Connectivity Unit, that needs to be mounted on the machine, will be available from October onwards as a Technical Accessory for MY21 4-stroke models and the 2020 FC 450 Rockstar Edition. Opening a whole new era of motorcycle performance tuning, the app enables riders to adjust their engine mapping and gives recommendations for the optimum suspension setting.

Among the list of several adjustment options the highlights are the two main Engine modes, Prime and Advanced which allow riders of all levels to fine-tune their engine's performance according to their riding requirements and track conditions. The Prime mode gives riders the opportunity to further adjust the Traction Control while the Advanced mode permits them to modify Engine Brake, Throttle Response, Traction and Launch Control, based on personal preferences.

The Suspension feature provides suspension set-up recommendations for personalised and precise improvements. Using information based on rider skill level, weight and track conditions the myHusqvarna app offers fork and shock set-up information.

Combining input from Rockstar Energy Husqvarna Factory Racing with extensive in-house research and testing, the myHusqvarna app gives valuable recommendations to support riders using the application and will be available in the Apple App Store and Google Play Store.





## Main features and benefits:

- ⊕ Creation of virtual Garage where riders can modify, manage and store motorcycle set-up information.
- ⊕ The Engine feature allows customisation of the engine behaviour, to suit personal rider preferences, while also giving valuable recommendations.
- ⊕ Adjustable settings and recommendations of the Engine mapping take terrain and track conditions into consideration.
- ⊕ The Suspension feature recommends suspension settings based on skill level and track conditions but also assists the rider in evaluating and setting the correct suspension SAG.
- ⊕ The myHusqvarna app is available in the Apple App Store and Google Play Store.

## Connectivity Unit

The Connectivity Unit can be acquired as a Technical Accessory from October onwards at all authorised Husqvarna Motorcycles dealers and is required for the 2.0 Bluetooth connectivity. It is mounted on the handlebar and is waterproof and impact protected with a soft silicon bar pad.

Once connected, the Connectivity Unit provides motorcycle status information, which allows riders to monitor the condition of their battery and engine operating hours. Additionally, all Engine mapping adjustments are enabled through the Connectivity Unit.

## Husqvarna Motorcycles ID

A Husqvarna Motorcycles ID is required to use the myHusqvarna app. Once downloaded, during the initial setup process riders have the option to either sign in with an already existing Husqvarna Motorcycles ID or register a new ID.

The Husqvarna Motorcycles ID stores basic personal information – First and Last Name as well as Email Address – that is required to operate the app and manage the virtual Garage. Rider weight (wearing all riding gear) is required to use the suspension setting recommendation tool. Additionally, the rider can add a personal header image of his preference.

## Garage

The Garage pictures a virtual garage where the rider can store and manage his motorcycle fleet. Once selected an available machine, the rider is then provided with a wide range of set-up options and recommendations as described in the respective Engine and Suspension sections.



# Engine

The Engine feature allows riders to customise the behaviour of their motorcycle's engine according to their riding requirements and track conditions. The two main adjustment modes, Prime and Advanced, provide set-up recommendations to support riders using the myHusqvarna app. Therefore, Track Type and Track Condition must be selected. Depending on the mode, the rider can further adjust the Engine Brake, Throttle Response, Traction and Launch Control.

Adjusting the Engine mapping does not increase or decrease peak performance of the engine. However, rideability and engine characteristics can be altered based on rider preference.

- + Customisable Engine mapping - alter engine characteristics according to conditions and rider preference
- + Traction Control - optimal traction in all conditions
- + Launch Control - maximum traction for perfect starts

## Operating Conditions

With the Operating Conditions feature a rider can monitor his motorcycle's status information. This includes the condition of his battery and engine operating hours.



## Prime

By choosing Track Type and Track Condition the app preselects between various engine mappings. The Track Type describes the soil/dirt of the track while Track Condition (dry or wet) might change during a day but has impact on the rear wheel traction. The power curve on the graph at the bottom of the screen shows the rider what kind of mapping might be ideal for the current conditions.

To finetune the mapping, the Prime mode further allows to adjust the level of Traction Control interference in five increments, from low to high on a sliding scale. The information icons next to the sliders explain the feature.

## Advanced

The Advanced mode is for riders becoming more confident using the myHusqvarna app and getting more familiar with their Husqvarna FC set-up.

Also providing useful set-up recommendations, the mode allows riders to further fine-tune the Engine Brake, Throttle Response, as well as Traction and Launch Control, based on personal preferences. The settings can be easily adjusted in five increments with slider buttons. The information icons next to the sliders explain the feature.

## Map Switch

Designed for easy operation, the Map Switch is standard on all 4-stroke models. It activates the launch control as well as traction control feature and lets you select between two engine maps.

Even when using the myHusqvarna app, the customer still has the option to use the handlebar mounted Map Switch. Pressing the “Map” button switches between the two maps. An LED then lights up either the number 1 or 2, indicating which map is active. Map 1 is the custom map with adjusted settings from the myHusqvarna app, while Map 2 is an “aggressive” map based on the custom setting.



< Map FC 450 Save

**Track Type** ⓘ

Sand    Gravel    Hard-Pack

**Track Condition** ⓘ

Dry    Wet

**Engine Map** ⓘ

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< Map FC 450 Save

**Engine Braking** ⓘ

Light    Heavy

3

**Throttle Response** ⓘ

Light    Aggressive

3

**Traction Control** ⓘ

Low    High

3

**Launch Control** ⓘ

Low    High

3

SAVE AND UPLOAD TO YOUR MOTORCYCLE



## SAG Assistant

As many hobby riders are not sure how to evaluate their suspension SAG, the SAG Assistant feature will help riders to adapt their suspension set-up to their weight. The entry screen guides the rider by explaining which values must be measured on the motorcycle. To provide an optimal set-up, the SAG must be adjusted before working with the Suspension Setting feature.

The following measurements are required:

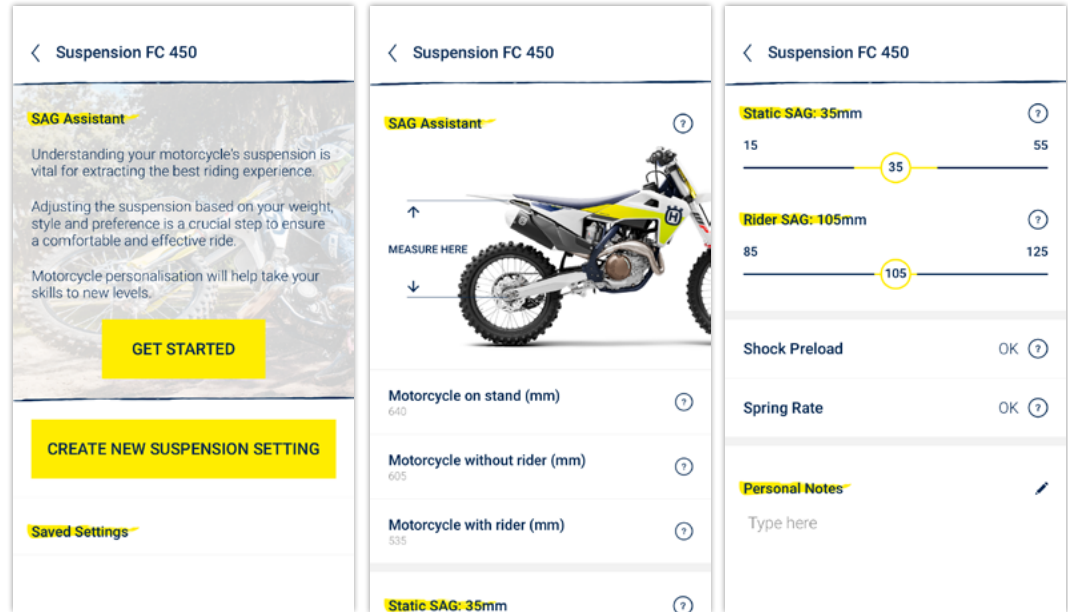
1. Motorcycle on stand - unloaded rear wheel
2. Static SAG - motorcycle without any load on it (without rider)
3. Rider SAG: rider sitting on the motorcycle and wearing full gear

A SAG marker on the rear fender visualises the correct position for the measurement. This symbol is shown on every rear fender of a Husqvarna offroad motorcycle. To avoid uncertainty and large variations in the measurements, the rider should always try to do the measurements in a stable environment.

The two sliders below the entry screen visualise if the SAG is within the ideal limits or not:

Static SAG: desired value = 35 mm; tolerance range = 29 mm - 41 mm ( $\pm 6$  mm)

Rider SAG: desired value = 105 mm; tolerance range = 102 mm - 108 mm ( $\pm 3$  mm)



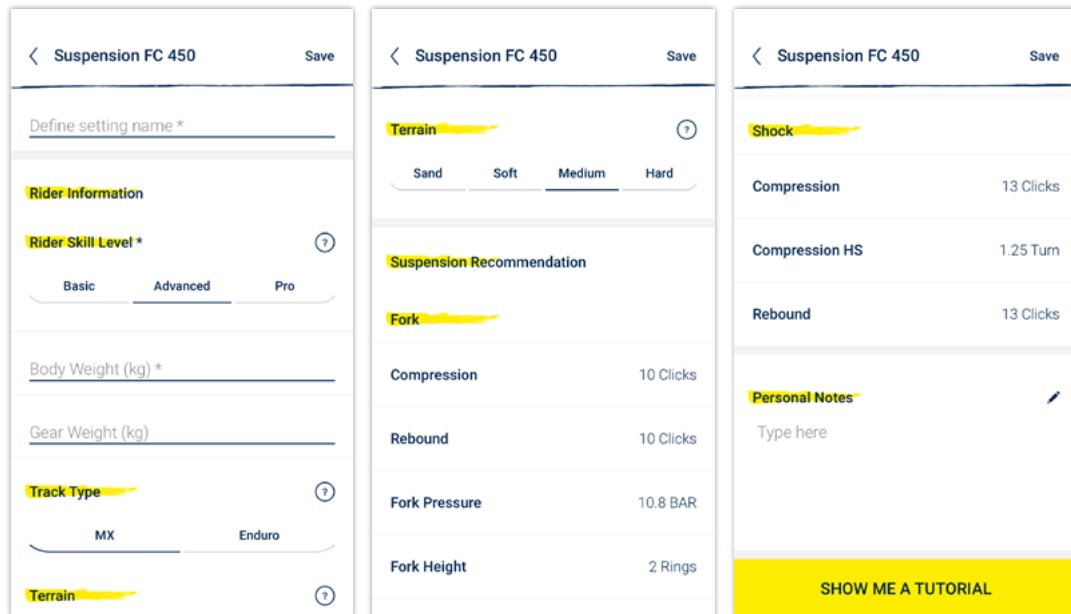


# Suspension

The Suspension feature provides suspension set-up recommendations based on a rider's skill level, weight and track conditions. Considering track conditions for the suspension set-up is essential. Depending on the soil/dirt and personal preferences, the set-up can be personalised for each individual rider.

While using the suspension set-up recommendations, the rider follows a similar routine as already known from the Engine mapping adjustments. Additional to Track Type and Terrain, the rider needs to enter his Body Weight and Gear Weight (if not yet in his Husqvarna Motorcycles ID) and Rider Skill Level.

Depending on these inputs, the Husqvarna Factory Racing recommendations for the fork and shock set-up are shown.





# Frequently Asked Questions

### **Can customers install the system themselves?**

#### **What must be done by the dealer?**

The customer can install the hardware on his own. However, the ECU firmware must be updated by the dealer to guarantee a functioning Connectivity Unit connection.

#### **Which operating systems are supported?**

The myHusqvarna app will be available on the respective app store for Apple iOS and Google Android from October 2020.

#### **Will there be regular updates?**

Updates to continuously improve and include new features for several models are planned over the next years.

#### **What happens if a customer has more than one motorcycle?**

The rider can store and manage multiple motorcycles using the Garage feature. Engine and Suspension Settings are stored individually for each motorcycle.

### **Is the app only for 4-strokes or can 2-stroke riders use it for their suspension settings?**

Currently the myHusqvarna app and Connectivity Unit only work with 4-stroke motocross models. However, we are evaluating the possibility of supporting the Suspension Settings feature for 2-stroke motocross models.

Full list of supported models:

1. FC 450 Rockstar Edition MY20
2. FC 450 MY21 (EU & US)
3. FC 350 MY21 (EU & US)
4. FC 250 MY21 (EU & US)

The myHusqvarna app and Connectivity Unit are currently not available for any TE/FE and TX/FX models. However, we are evaluating the possibility of supporting our full offroad model range.

### **Can I connect more than one mobile device to my motorcycle and adjust the stored settings?**

No, once the myHusqvarna app is paired with a phone, only this one phone can be used to adjust stored settings. This prevents unwanted third parties from connecting with your motorcycle and adjusting settings without the rider's knowledge.



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The riders illustrated are professional motorcycle riders. The photos were taken on closed racing circuits or closed roads. Husqvarna Motorcycles wishes to make all motorcyclists aware that they need to wear the prescribed protective gear and always ride in a responsible manner in accordance with the relevant and applicable provisions of the road traffic regulations. Only the homologated versions of the motorbikes promoted in this brochure are suitable for road use. Husqvarna Motocross models are not approved for use on public roads. For this reason, it is absolutely essential that use on public roads is avoided. The warnings and hazard notices in the owner's manual must be observed without fail when purchasing a motorcycle and using it for the first time (especially the prescribed speed limits). Some products in the Husqvarna Motorcycles accessories range are not approved for use on public roads in certain circumstances (varies from country to country). Please contact your Husqvarna Motorcycles dealer for further information. The illustrated vehicles may vary in selected details from the production models and some illustrations feature optional equipment available at additional cost. All information concerning the scope of supply, appearance, services, dimensions and weights is non-binding and specified with the proviso that errors, for instance in printing, setting and/or typing, may occur; such information is subject to change without notice. Please note that model specifications may vary from country to country.