

Dear Turbo Levo/Kenevo Rider,

our Mission Control App has been used a lot since its introduction in spring 2016. We would like to thank all users for sharing their feedback on how to improve the app experience. At Specialized, we are constantly striving to enhance the benefits for all riders. Based on your great feedback, we have already implemented many “small” improvements. With the new Infinite Tune feature, we offer you a whole new level of motor customization opportunities. In the following we explain the features and benefits of Infinite Tune and what you need to do to benefit from it. Be aware that we also inform retailers through our B2B channel so that everyone is on the same page.

What is Infinite Tune?

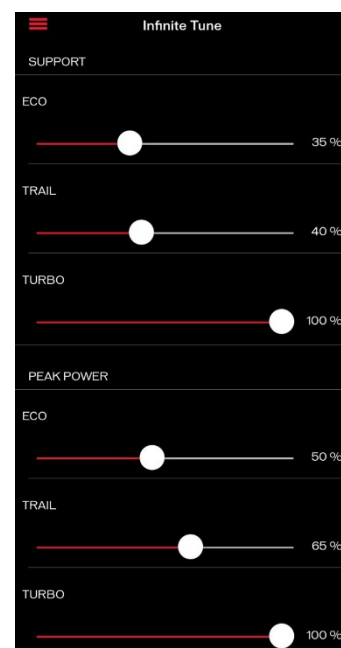
- Infinite Tune allows you to adapt the maximum peak power (formerly called max. motor current) for each of three support levels (Eco, Trail, Turbo) individually in the "Infinite Tune" Menu.

What are the advantages of Infinite Tune?

- As the name suggests, you have almost endless opportunities to adjust the motor characteristics, based on your personal preferences and needs.
- Enjoy the freedom of customizing your Levo/Kenevo exactly as you need it for your ride style, type of terrain and desired performance or range

When will Infinite Tune be available and how can I use it?

- Infinite Tune is available from now on through an update of the Mission Control App version on your phone. You will be reminded of this update when opening your current app version. Simply install it on your phone
- Infinite Tune requires a battery firmware update to version X.23 or newer in case available; please visit your retailer so that your battery can be updated. Note that battery firmware X.23 is called X.17 in the retailer update program (app: decimal notation, firmware program: hexadecimal notation)
- Be aware that due to a new communication protocol within the X.23 battery update, third party apps connecting to your bike will not be compatible and their use is not recommended



Infinite Tune in Mission Control App 1.2

What is the effect of changing the maximum peak power (formerly called max. motor current)?

- the peak power controls the maximum amount of power the motor can draw from the battery when the rider pedals really hard
- lowering the peak power restricts the ultimate maximum motor power (but improves range along with it)
- think of it as cutting horse power by shutting off valves

What is the difference between peak power and support?

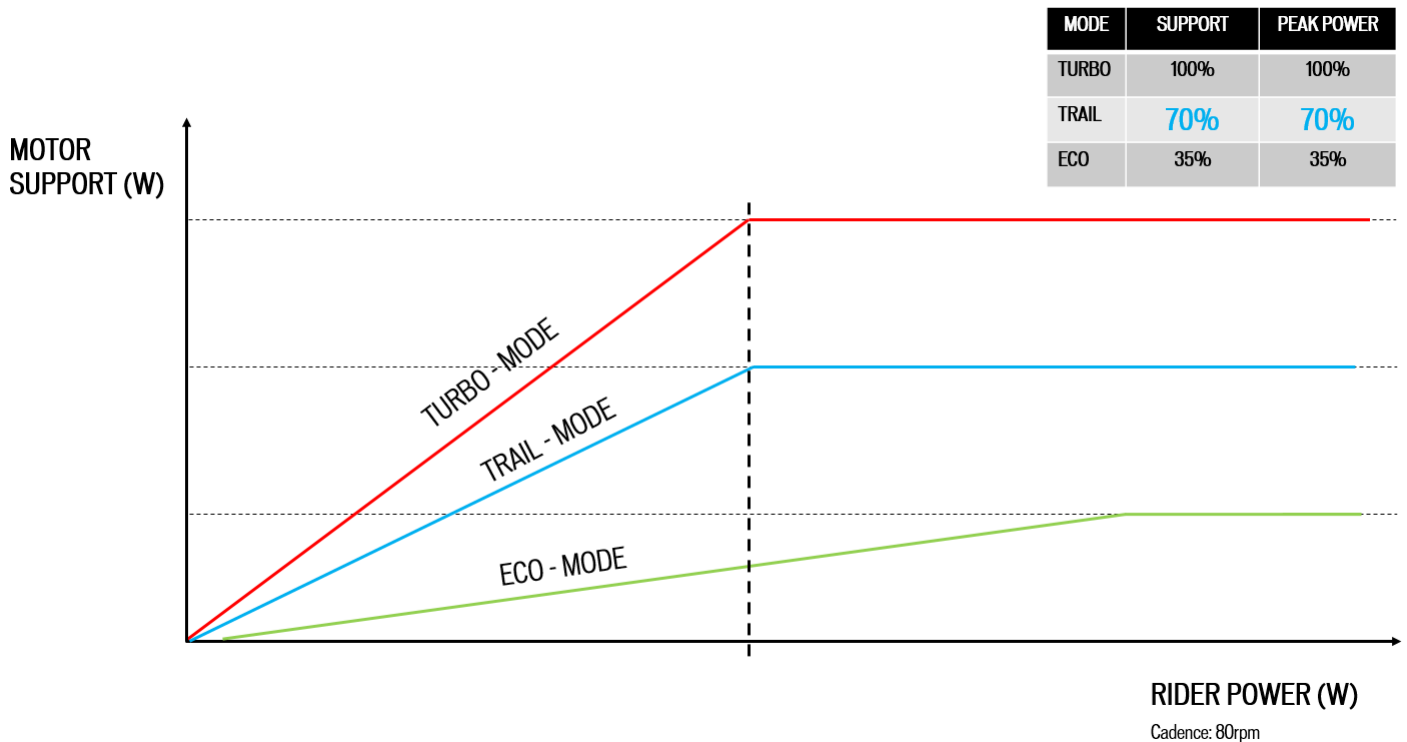
- peak power restricts the maximum power no matter how hard you push on the pedals. Think of it as a ceiling.
- given the same peak power a lower support level can be compensated by delivering more rider watts to the pedals (see graph C)
 - example: if you ride in Trail with 50 % support you have to deliver about twice as much power to the pedals to get the same motor support as compared to Turbo mode with 100 % support (given an identical peak power)
- a lower support level can be compensated by rider power, whereas a lower peak power always gives you less power, no matter how hard you push



The following graphs explain the difference between the old setting and the new Infinite Tune options and visualize the effects of adjustments to support and peak power on behalf of the Trail mode.

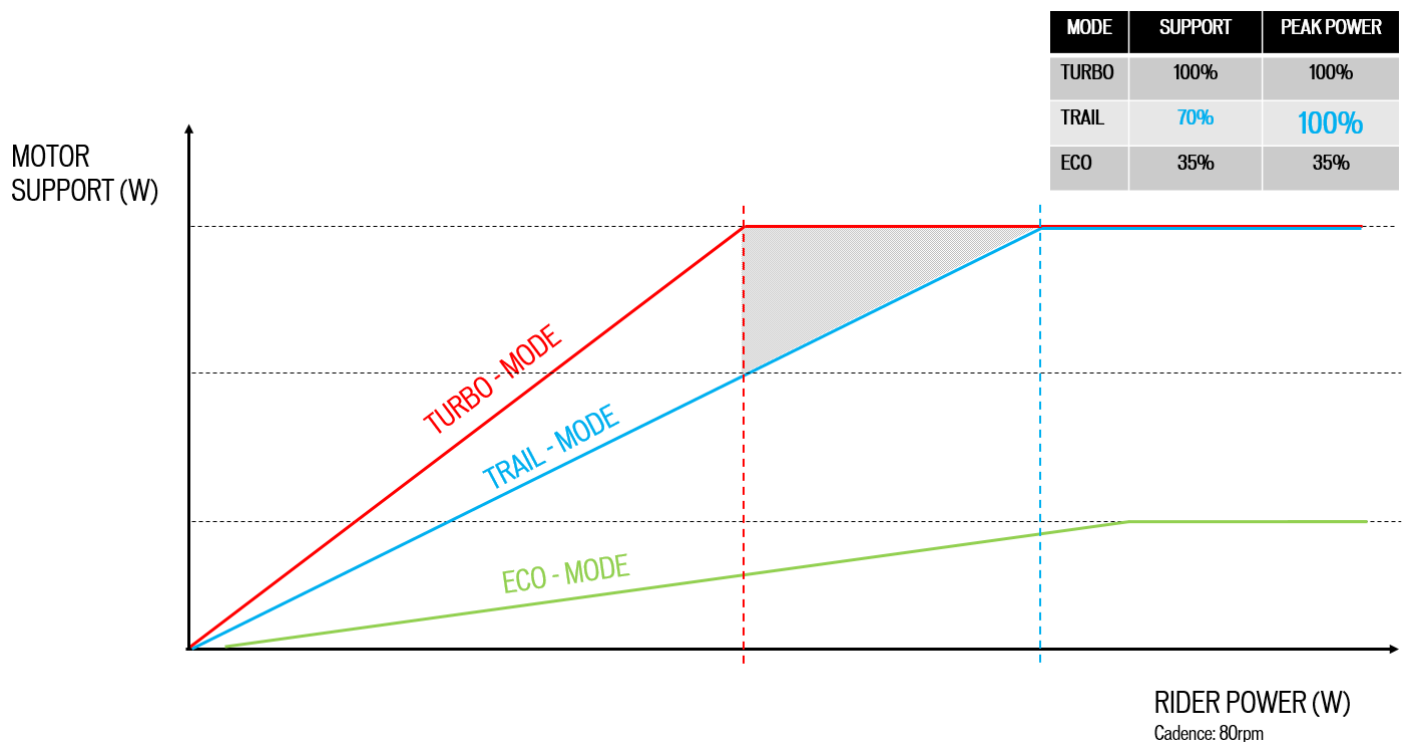
A) Current settings with battery firmware X.22.3 (before Infinite Tune)

- peak power by default on par with support (when app slider on 100 %)
- all three modes are clearly distinguished
- rider cannot reach Turbo power in Trail mode



B) Infinite Tune settings with battery firmware X.23.0 or higher

- for each mode, support AND peak power can be adjusted as desired
 - here: **Trail 70 % with 100 % peak power**
- Conclusion: By applying more power to the pedals, the rider can reach the same motor support in Trail as in Turbo



C) Infinite Tune settings with battery firmware X.23.0 or higher

- for each mode, support AND peak power can be adjusted as desired
 - here: **Trail 50 % with 70 % peak power**
- Conclusion: The rider can get the same motor power as with standard setting, but needs to push more watts into the pedals

