



Laptimer Kit

for

BMW S1000RR K67

BMW M1000RR K66

BMW S1000R K63

for closed race track use only!

2. April 2023

Introduction

We would like to thank you purchasing our GPS based laptimer and hope to serve you a high quality product.

Below you find the necessary steps of mounting the bike adapter and the GPS module on your.

The laptimer is prepared to be used with:

- BMW S1000RR 2019+ (K67)
- BMW M1000RR 2021+ (K66)
- BMW S1000R 2021+ (K63)

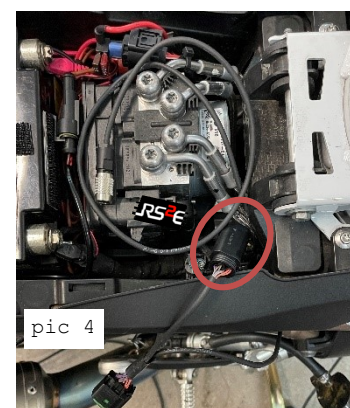
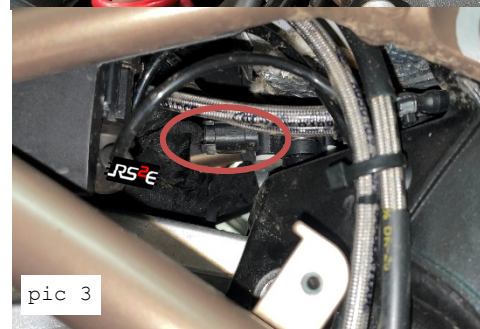
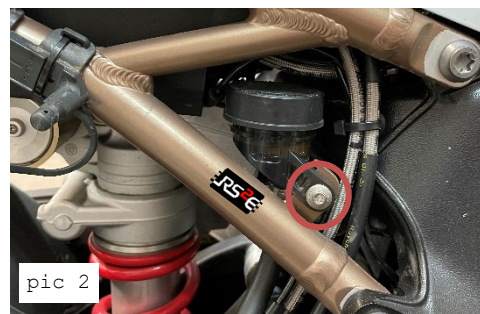
requirements for a successful usage of the Laptimers:

- pic 1: Trigger = external is mandatory to be set in your dash (setting, bike setup, Laptimer)
- If „Trigger“ is not available in your dash then you need the activation of your dash. You can purchase that at:
 - BMW dealer: M GPS Laptrigger activation code (BMW)
 - or
 - www.rs2e.de: Enable TFT, GPS Laptrigger



Routing and connecting the bike adapter

- Remove rider and passenger seat
- pic 2: loosen the reservoir of the rear brake (T25), and let him drop to get access to the lean angle sensor.
- pic 3: unlock and disconnect the lean angle sensor from its harness connector.
- pic 4: connect the one end of the bike adapter to the main harness and route the other end of the bike adapter on the right hand side near the brake hose down to the lean angle sensor.



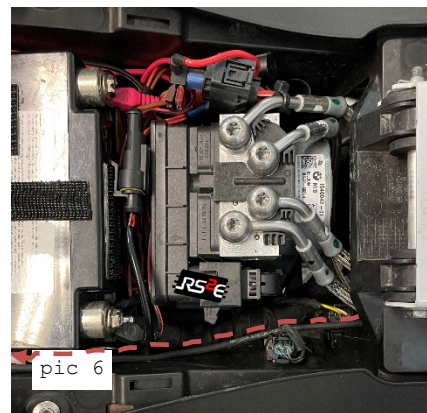
- pic 5: connect the bike adapter to the lean angle sensor.



pic 5

- pic 6: the free end with black 4pin connector should be routed underneath the tail fairing until the compartment below the passenger seat. If you are using a race fairing please find a good spot to route the cable to the outside. Pay attention that the cable cannot get damaged at sharp edges. Use rubber or any other protection material in that case.

Don't forget to refit the reservoir of the rear brake..



pic 6

Routing and connecting the GPS Module

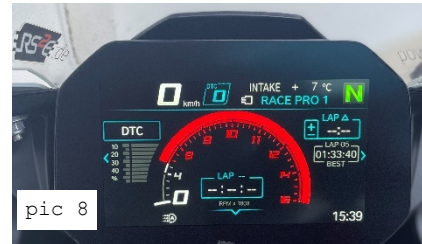
- pic 7: fit the GPS Module at your own preferences on top of the tail fairing. Use the scratch tape to get it fixed. Please clean the surface before taping it.
- pic 7: close the connection between the bike adapter and the GPS Module.
- Left over extra wire can be left under the passenger seat cover.
- Refit rider and passenger seat or cover.



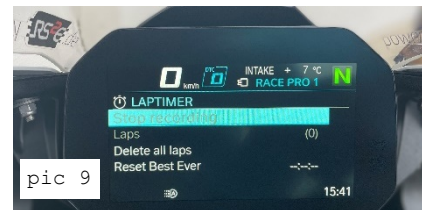
pic 7

Test Trigger function

- Switch ON the bike ignition and switch to mode Sport 2 or 3.
- Fire the trigger by pushing the headlight flasher button.
- pic 8: check if the laptime starts counting upwards.

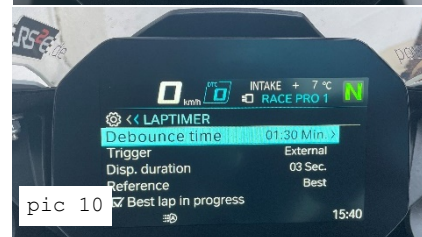


- pic 9: Press the menu- down button to get access to the laptimer menu and:
 - Stop recording
 - Delete all laps
 - Reset best ever



Set the debounce time (minimum accepted laptime)

- pic 10: We recommend to setup the debounce time to about 01:00 min. If your race track allows to run laptimes below 60 sec you should set the debounce time lower than the expected laptime.
- Further we recommend to set the “display duration” to about 20sec. This time sets the duration how long a laptime is being shown after start finish.



With these steps the laptimer system is ready to use.

How to use the Laptimer

- The Laptimer is turned on by switch ignition ON.
- To be able to find the correct position it is necessary to have free view from the top surface of the GPS to the sky. That is not possible inside the pit box building or underneath high roofs. Even carbon parts close beside the GPS Module will drop the connection quality!
- As soon as the actual position is been found valid the tracklist will be checked to find the track you are. There are more than 160 stored race track all over the world. Most of the stored tracks are european tracks but further tracks can be added to the list at any time.
- In the case that while riding no laptimes are stored in the dash that can be due to multiple reason. Most likely the track you are riding on is not stored in the GPS module. In that case you can push and hold the headlight flasher button for at least 3 seconds when crossing the start finish line. That stores permanent a new user track inside the GPS module.
- For any problem or question please contact us at elektronik@motorrad-unger.de