



## BrenTuning BMW Handheld Instructions

Thank you for choosing BrenTuning for your BMW tuning needs! You will be very pleased with this product! From a part throttle cruise to a high speed track run, this product is designed to improve every facet of your BMW ownership experience!

For any questions e-mail us at [sales@brentuning.com](mailto:sales@brentuning.com) or call 508-762-1769

Before you are able to enjoy your product however, there are a few things that need to be done:

- 1) Download the BT software provided to you in your email via Dropbox link. If you do not receive with your order, please email [sales@brentuning.com](mailto:sales@brentuning.com)
- 2) Plug the Handheld tuner into your motorcycles OBD2 port commonly found in the tail of the motorcycle.
- 3) You will want to click on tuning and then select your vehicle from the list provided. 10-14 S1000RR is a "BMSK" while 15-16 S1000RR is "BMSX" with the different year hp ratings of 193hp or 199hp. Likewise a 2014 S1000R" uses a BMSX, as do GS1200+ 2015 Bikes, T-REX/K1600. If you chose the wrong bike you will get an error that the read cannot be completed. No problem just return to the previous screen and chose the right model. The arrows on the bottom can be used to thumb back and fourth. Once you get the bike selected and follow the prompts, the handheld will do 20 minute read process (10-14) and under 5 minutes on (15-16), which saves the factory ECU information to your BT Handheld device. This is a carbon copy of your stock tune if you ever want to go back to stock or for troubleshooting.

**\*\*\*If you receive an error "calibration not found" when trying to read out your motorcycle, it is possible that the software version has not yet been loaded to the server. In this case, you may need to remove the ECU and physically send it to BrenTuning for us to manually add it to the server via a bench read. It is fairly painless and quick process. Do not do this without the instruction and proper forms from the BrenTuning staff\*\*\***

4) You will now plug the handheld device into your computer, using the BT software provided, you will extract the factory data that was downloaded to your handheld and save it to your computer via the "download" button on the BT program. Once you do this, please send that saved file to [sales@brentuning.com](mailto:sales@brentuning.com), they will ask a few questions in regards to the vehicle and driving style and then your custom tuned files will be sent back. It is imperative you fill this out in the requested format for it to work as smoothly as possible. The process to receive a tuned file back can take up to 48 hours Monday through Friday. You can still use the vehicle during this waiting period.

5) Once you receive your tuned file back via e-mail, you will use the same BT program to upload the new data to the handheld device, you do not want to delete anything during this process. Download the tuned file from your e-mail and save it to your computer. From there, using the BT software, you will simply click the upload button, select the new tuned file which will load it to the handheld device.

6) Unplug the handheld device from your computer and plug it into your OBD2 Port. Click the tuning option and then you will have your tuned files available to you, pump means pump gas (91/93 octane or 95/98RON typically), the race file is designed for race fuel which unless specified is 100+ octane. Simply click the tuned file you want to use and allow the device to write the new tune to your ECU. To confirm which map you are using, you can look for the asterisk which shows the current map. If you want to swap maps in the future simply go into the tuning section and click original (stock tune) or race (race gas tune). Once you choose your map you can put the handheld away, it is no longer needed for the tuning process and does not need to stay with the vehicle.

7) If you have any questions again, please call us before doing anything drastic, many issues, questions or problems can be resolved remotely over the phone or via email, we have phone and e-mail support Monday through Friday.

## Troubleshooting guide:

**NEVER ERASE DEVICE UNLESS INSTRUCTED. This will delete everything in the device, including your tunes, read and put it back to an uninstalled state.**

The service reset item is an open feature and we do not suggest using it as on some years it can reset the date to 2007 and require manually inputting a new service date with GS-911. We are working on a fix but no ETA.

Always use SHELL-V power pump fuel for best results, and factory oil fill and filter provided by BMW, along with factory spark plugs. Maintenance is key and tuning does not fix mechanical issues.

Do not install a PC5/Bazazz/Rapidbike without planning on getting a live dyno tune very shortly after. These devices when not setup properly and without O2s removed/installed per their installation can make the bike run very poorly with bad performance.

Many of these bikes will have we are called “stored” codes in the ECU, these will show up stock or tuned, this is not something to be alarmed about. The bike can also store ghost “U” faults from being flashed, but they can be cleared out of the device. If there is no code on the dash showing, there is no issue.

Bike won't start: check TPS under the diagnostic menu, if the bike is less than 2-3% with key on, the TPS is misaligned and will need to be re-taught in using the TPS reset feature built into the handheld.

EWS! On dash: check battery voltage, battery terminals. Let bike charge for 20-25 minutes with key off and re-check for error after.

Dash dash dash (-- -- --) instead of MPH/KMH – dead battery

Loss of power – contact support

Dyno procedure – use dyno FAQ provided by support - as the BMW is quite particular in what it wants.