

# Bytetronek BT1 FAQs:



**\*\*\*WARNING\*\*\* This is NOT a TOY Product! \*\*\*WARNING\*\*\***

**This product is a performance upgrade which raises the boost pressure of your turbo and it is designed for race vehicles in optimal mechanical shape running on top-grade gasoline. Running more boost than OEM stock adds more stress to your engine and can result in mechanical damages!!!**

**\*\*\* USE IT AT YOUR OWN RISK \*\*\***

- **What is the BT1?**

The BT1 is a Piggy-back tuning device.

- **What is a BT1 Piggy-back tuner?**

Piggy-back tuners in general are popular because they allow users to modify stock fuel injection without replacing the entire ECU. They operate in various ways. Some of them modify the injector duty cycle control signals as they travel from the ECU to the injectors. Others modify input data to the ECU (like MAF for example), effectively “tricking” the ECU into delivering more or less fuel at a given RPM.

- **What are the requirements for running the BT1?**

You need to upgrade your plugs to the HKS units and add an oil catch can to catch all the blow by.

- **What type of gas is required?**

BT1 owners **MUST** use Tier 1 Premium (Shell, 76, Sunoco) gas in their cars = **91 Octane or higher**; otherwise you risk damaging your engine. And no, ARCO gas is NOT Tier 1 (don't let them fool ya).

- **What boost setting are the BT1 units set at from the factory?**

For the 2.0T vehicles, the BT1 units are pre-set at +3.0 PSI. For the 1.6T vehicles, the BT1 units are pre-set at +2.0 PSI.

- **Will I be able to make boost adjustments to my BT1 unit?**

Yes. We offer a kit (software along with USB programming cable) that allows users to adjust their PSI level inside their BT1 = range from +0 to +5 PSI over

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stock. Cost of this kit is \$50 shipped.

- **Why do you allow customers to alter the PSI level from +0 to +5.0 PSI?**  
This option allows our customers the flexibility to find the “sweet power spot” for their specific vehicle. We believe in giving more access and control to the customer. Of course, this is a double-edge sword. With power comes with responsibilities. So if someone is not responsible enough to handle this power, then one should not get this upgrade.

- **At What PSI should I run in my car?**

**+1 to +2 PSI** = Good starting point for the entry level enthusiast (it’s like the baby slopes at the ski resort).

**+2.5 to +3.5 PSI** = This boost range is already considered aggressive for 91 Octane; so pay attention to your motor and listen & monitor for engine detonation (aka engine knock). Let off the gas pedal and reduce the PSI level if you hear knock.

**+4 to +5 PSI** = This boost range is for die-hard fans who has lots of mods (i.e. big intercooler, big piping and exhaust) and on race gas. This is like the “Black Diamond Slopes” at the mountain ski resort; if you’re not ready for the drop then don’t take the plunge!!!

- **Can I use 87 or 89 Octane gas along with the BT1?**

**NO!!!** There is no such thing as “Cheap Reliable Power” (you can only pick two out of the three) ...

If you want “Reliable Power” – then don’t run low-octane gas (octane = HP).

If you want “Cheap Reliable” – then don’t expect it to make power.

If you want “Cheap Power” – then don’t expect your motor to be reliable.

- **Who is Bytetronek and what is their tuning history?**

The principals of Bytetronek were involved in the EcuFlash project for the Subaru and Evos back in 2005/2006. Their FullAccess Tuning kit for the MINI R53 is one of the well-respected tuning platform in the world. We offer

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ECU programs and specialty ECU services for BMWs and MINIs.

- **Who manufactures the BT1?**

The BT1 is manufactured by one of the premier BMW tuners in the USA. We worked closely with this BMW tuner in fine tuning the programming inside the BT1 tuner and have the exclusive rights to sell the BT1 worldwide.

- **Is the BT1 like LAP3 uncle chip?**

The BT1 and the LAP3 are similar in that they are both piggy-back tuners... and that's pretty much where the similarity ends. The programming (tuning parameters being modified) inside the two devices are very dissimilar.

- **How much is it?**

MSRP for the BT1 is \$399 + shipping.

- **Will there be additional features added to the BT1 such as map switching and Methanol Control?**

Yes, depending on demand. If the demand is there, then we will invest the additional resources in making more advanced BT units with additional features.

- **Will it work on the Sorento 2.0T, Veloster 1.6T or Forte 1.6T?**

We are testing on the Sonata, Veloster and Forte; results to be announced shortly.

- **What are the projection for gain on the 1.6T?**

We recommend +2 to +2.5psi (over stock) on these 1.6T models. Power gains will vary from vehicle to vehicle, but the typical gains are +20 to +30 HP.

- **Why should I buy BT1 over the other guy?**

Our results speak louder than words... and we believe in offering a great product at a fair price. If you feel like spending a few extra hundred bucks to make less HP, then go right ahead. This is America and you may spend your money freely ;)