

POWER UNLEASHED!!



**VAITRIX SMART BOOST PRO+**

**FEATURES**

VAITRIX SMART BOOST is not your ordinary piggyback ECU; it's tuners' ultimate dream tool synchronously control the engine fuel supply and water / methanol injection. A perfect way to tune your car with efficiency and security. 3-dimensional mapping tables & cloud-based templates, user can not only set the tuning value for each RPM range under different loading but also store your own extra maps in the cloud server for future adjustment or employment. Maps pre-uploaded by AirForce ONE onto cloud server can be retrieved and switched by just one click in AirForce GO APP.



**PRODUCT DIVERSIFICATION TO MEET DIFFERENT CUSTOMER NEEDS**



Basic Specification	Size (mm)	112 x 116 x 38	129 x 133 x 40	145 x 147 x 40	129 x 133 x 40
	Weight (gram)	295	335	425	335
CPU	16-bit	32-bit	32-bit + 32-bit	32-bit	
Main connector	32 pin	64 pin	64 pin	64 pin	
Map Quantity	Analog In / Out	2	3	4	X
	Pump control	X	1	2	2
	Switch control	X	1	2	2
Function	Data storage	1 set in EEPROM			
		Extra pre-programmed templates can be purchased and downloaded	X		
	Data modification	X	5 sets in cloud server		
	Methanol injection control	X	On-screen adjustment (with AirForce ONE software)		
Optional Function	Power off with liquid level sensor	X	•	•	•
	Pipeline air purge button	X	•	•	•
	Smart OLED Display	X	•	•	X

**OPTIONS TO CUSTOMIZE YOUR PREFERENCE**

From a healthy beeping up by SMART BOOST BASIC, to the enthusiast-oriented SMART BOOST PLUS, to the full function SMART BOOST PRO, a wide range of choice every user can be satisfied with.

**Boost your vehicle's power with VAITRIX SMART BOOST!** This intelligent system enhances your vehicle's performance, providing a smoother and more powerful driving experience. With VAITRIX SMART BOOST, you can enjoy the perfect balance of brains and brawn on the road. Try it now and feel the difference!

**MCU**

Controlled by advanced MCU technology, no interference makes the performance more reliable!

**TVS**

TVS ensures stable, reliable power by preventing voltage fluctuations and electronic interference.

**RS485**

Experience fast and reliable data transmission with our RS485 integrated chip. Choose our solutions for accurate communication!

**METAL INTEGRATED FIXED HOLE**

Metal fixed hole with elongated shape reduces vibration impact and fits various car models without angle limitations.

**WATERPROOF CONNECTORS**

Automotive waterproof connectors protect electrical connections and provide reliable performance in harsh environments.

**MOSFET**

MOSFET intelligent chip can automatically adjust the output power based on temperature, ensuring consistent and stable performance.

**OLED INTUITIVE WINDOW**

Just click the functions you need and explore endless possibilities

- 1-onboard on / off switch
- 2-ensuring timely injection with pre-spray feature

onboard on / off switch

**MECHANICAL COOLING**

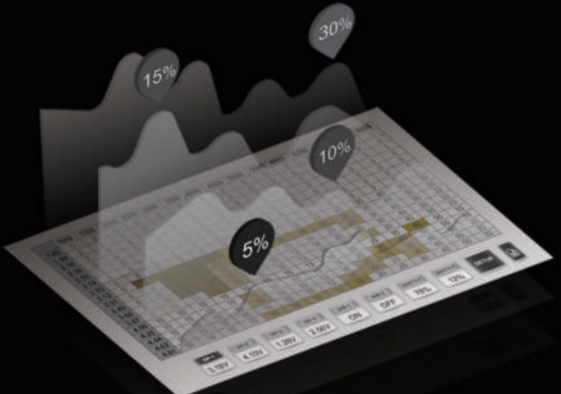
Using unique mechanical cooling design, the heat generated by electronic components during operation can be effectively dissipated.

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**DYNO MEASURING POWER OUTPUT OF VEHICLES**

Many factors will affect the measured output and performance of the vehicle such as the temperature, the humidity, and the cooling method. It is a good way of taking a measurement to compare against the next run until you are satisfied.



**3-DIMENSIONAL MAPPING TABLES**

VAITRIX SMART BOOST is not your ordinary piggyback ECU; it's tuners' ultimate dream tool synchronously control the engine fuel supply and water / methanol injection.

VAITRIX has an exclusive 3D adjustment interface with the function of adjustment/detection. The 3D adjustment could be adjusted for each section and control the boost value. There are 255 grids that could be adjusted according to the speed and load, and each grid is from -100 to +100, for a total of 200 settings.

A perfect way to tune your car with efficiency and security. 3-dimensional mapping tables & cloud-based templates, user can not only set the tuning value for each RPM range under different loading but also store your own extra maps in the cloud server for future adjustment or employment.



**AIRFORCE ONE**

**Versatile map editor / real-time engine monitor**

The Tuning software AirForce ONE is the central command of VAITRIX SMART BOOST.

With it the user can edit mapping tables, download / upload different profiles from the cloud server, and adjust various parameters.

If connected to the ECU with the engine turned on, AirForce ONE can also work as a real-time.

**AIRFORCE GO**

**Change your driving style in just one click**

AirForce GO is the phone-based application used for remotely controlling the driving mode of car with VAITRIX SMART BOOST onboard. Maps pre-uploaded by AirForce ONE onto cloud server can be retrieved and switched by just one click in the app. It's now possible to have your everyday workhorse and weekend racer all in the same car.

**MODEL SPECIFIC PLUG & PLAY WIRING**

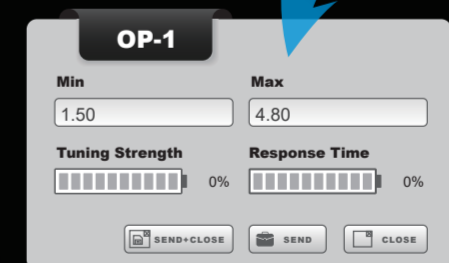
VAITRIX SMART BOOST comes with a huge wiring selection for different vehicle brands and models. Plug & play harnesses connect to the manufacture wires at manifold, camshaft and boost for easier installation. In addition, it won't void warranty of your vehicles.

**EVEN REVVING UP YOUR ECU TUNING**

VAITRIX SMART BOOST is a valuable piggyback computer that can enhance the performance of forced induction cars, including those that have undergone ECU tuning. It achieves this by adjusting the information from a standard MAP sensor with a limited maximum pressure, to mimic the readings of a sensor with a higher maximum pressure, resulting in a significant boost to the engine's power output.



**INTERFACE DESCRIPTION**



The intuitive adjustment interface detect and adjust the boost value/ air fuel ratio / Ignition load axis / fuel adaptation on the same time by immediate cursor.

**RESPONSE TIME**

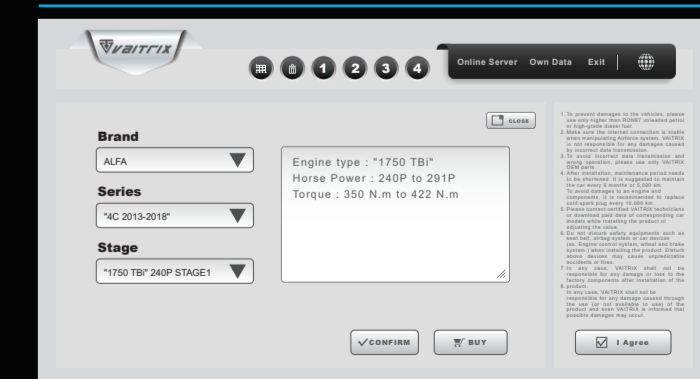
The highest and lowest safe range of values can be programmable, such as operating output signal and output response time.

**DATALOG FUNCTION**



The display of data traffic can be turning on/off by selecting the below switch options from 1-10, so the adjustment of computer data can be more convenient.

**CLOUD MAPPING DATA DOWNLOAD**



User can also opt to purchase and download pre-programmed map templates prepared by VAITRIX or 3rd party tuning experts all around the world.