

UNICHIP - Intelligent Vehicle Enhancements

Version Q and Q+

It is the most modern, state-of-the-art electronic engine enhancement product on the planet. Because the firmware of the version Q Unichip can be upgraded, the chances are VERY good that it will fit on your future vehicle as well.

It is a fully functioning computer that is added to the vehicle's existing engine management computer. It greatly enhances the functions and capabilities of the original computer turning it into a super computer!

Once the Unichip is added, the engine can be perfectly tuned by a trained professional so that it makes maximum safe power at full throttle and gives optimum fuel consumption at part throttle. It can be tuned differently under different throttle and RPM conditions.

It has the option of 5 user-selectable map combinations that can be programmed according to your wishes. As an example, one map can be programmed as an immobiliser map; another might be set up to lower the RPM or speed limiter if the vehicle is sent for service or lent to someone. Another might be set up for high boost (if it is a turbocharged engine) to have fun on track days, etc. The possible combinations are almost unlimited.

Apart from controlling general timing and mixtures the Unichip can do idling control, drive extra injectors, do various forms of boost control, do launch control, eliminate most road-speed governors, create road-speed governors, automatically enforce road speed limits in controlled areas like mines, calibrate speedometers, fully control nitrous and water injection, raise or lower the rev limiter on most engines, manipulate the response of the throttle (on modern vehicles with electronic throttle control), simulate catalytic converter signals if the converter is removed and even more. It can be best described as a "Piggyback" computer.

The UNICHIP gets wired into the existing ECU harness. If it is removed the engine is back to standard. For many applications U-Connect plug and play harnesses are available giving you the ability to add or remove the Unichip system as you wish.

The main difference between other after-market "chips" and the UNICHIP is that with the UNICHIP every individual engine can easily be optimised.

The Unichip can normally work on new model vehicles long before any other form of chipping or serial download becomes available.

Other chips or serial downloads can't give you the choice between different maps, they can't create immobilizer maps or governed maps if you take your vehicle for a service or loan it to someone.

Other chips or serial downloads can't be transferred from one vehicle to the other. With the version Q Unichip the chances are more than 95% that it could be fitted on your next vehicle as well. Because the firmware can be upgraded on the Unichip it can be updated in the future to suit new models.

If you take your vehicle for servicing at the original dealers they can very easily (and very possibly) erase the modified serial download and replace it with an "updated" standard version of the program. A modified serial download can very easily be detected by the factory scan tools. To date we haven't see one case where the factory scan tools could detect the Unichip.

The Unichip can be programmed "real time" whereas serial downloads and other chips are simply a program that is downloaded to the ECU. The best artists in the world all make their own paintings! They don't print copies of other artists' paintings.

With the Unichip you can own an original optimised map system for your vehicle. Power, economy, efficiency, performance, fine-tuning, polished, perfection, tweaked, improved and optimised; all words that go well with a Unichip!



Plug & Play / Power Plug

The U-connect system is a wiring harness that enables the complete Unichip installation without cutting or tampering with the original wiring harness of the vehicle. You simply unplug the ECU wiring and install this system between the male and female plugs. All the necessary original male and female plugs are included in the harness. In this way you can add or remove the complete Unichip system whenever you want. Once removed there will be no footprint or trace of the original installation at all. The U-connect is available for most electronically controlled diesel vehicles and some petrol versions. Check with your local dealer if available for your specific vehicle.

Map Selection Switch

There are two different types of switches available. The Rotary (pic 1) with dimensions of 40mm x 40mm x 20mm and the Membrane (pic 2) with dimensions of 40mm x 40mm x 10mm. The Map select switch enables you to choose between 5 different possible maps that can be programmed by your dealer according to your wishes. It is a very high quality device machined from a solid piece of aluminium with 5 LEDs showing which map is selected.

Example of different maps:

- Position 1 - Standard vehicle
- Position 2 - Fuel economy mode
- Position 3 - All day driver
- Position 4 - Towing
- Position 5 - Max power

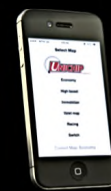
Bluetooth Module

The Bluetooth map select system is the ultimate toy, enabling you to select your choice of map from your compatible cell phone. Now you can control your car from your phone! It is compatible with Android, Blackberry, iPhone 4 and iPhone5 smartphones. Windows mobile coming soon!

Control your car with your iPhone. The new Unichip Bluetooth module is now compatible with iPhone 4 and 5. Switch Unichip maps with your iPhone and impress your friends!



Bluetooth



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V-Tech Driver

The V-tech driver is an optional device that allows the Unichip to control the V-tech system on Hondas. It can also be used to power certain other devices like shift lights, etc.

Launch Controller

Launch control is generally used on turbocharged vehicles to allow the turbo to boost whilst the vehicle is stationary. A switch is connected to the clutch pedal (if the vehicle does not already have one) and when the clutch is depressed the Unichip lowers the original rev limiter. The engine is then kept at full throttle with the lowered rev limit enabling the turbo to start boosting. Once the clutch is released the rev limiter is set back to standard and the vehicle pulls away with full boost (or however much boost you want). On most vehicles the Unichip can do launch control without any added devices, but on some we add extra driver modules to control the ignition coils.

Turbo Module

The optional Turbo module is normally used on aftermarket turbocharger installations. It can measure boost which the Unichip can then use to control extra injectors or other devices or do closed loop boost control. There are two versions available, one that can measure up to 1.5 bar boost and another that can measure up to 2.5bar boost. The Turbo module also includes an injector driver and voltage clamping circuit to prevent certain signals from going too high if an aftermarket turbocharger is fitted to a vehicle.

PD Driver

The X-driver system is an additional module that is controlled by the Unichip and is used to open up the injectors of the vehicle for longer periods to add extra fuel. Versions are available for petrol and some diesel engines.

EGT Unit

The EGT (Exhaust Gas Temperature) unit is an optional extra normally used on diesel engines to control the EGT to safe limits. With this option installed, the power can be safely increased even more and if the EGT goes too high, the Unichip will automatically trim back the power to get the EGT back into the safe range.



**POPULAR CONVERSIONS AVAILABLE ON MOST VEHICLES
AA QUALITY ASSURED FOR PEACE OF MIND**



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