

PRICE LIST 2022

 English – (€) Euro

Last update: **April 2022**

KESS3

ECM TITANIUM

POWERGATE 3+

ACADEMY

KESS3



KESS3 combines 3 operating modes in a single tool, OBD, Bench & Boot Mode.
A new microprocessor, latest-generation I/O interfaces, improved memory and new built-in sensors are the main features in KESS3.

TOOL



MASTER VERSION



SLAVE VERSION



SUBSCRIPTION AND SERVICES

ACCESSORIES



EVALUATE AND TRADE-IN YOUR KESSv2 and K-TAG

Unlock the value of your Alientech tool and convert it to a new KESS3

Visit alientech-tools.com

KESS3 MASTER



KESS3 combines 3 operating modes in a single device.
OBD, Bench & Boot Mode. Configure it according to your requirements and work.
Initialize your KESS3 as required by choosing your vehicles of interest and exploring all the possible configurations.



Code	Product	Price (EUR)
KESS3HW000	KESS3 - Hardware	600,00 €

Code	Product	Price (EUR)
KESS3MA001	KESS3 Master - Car - LCV OBD Protocol activation	2.990,00 €
KESS3MA002	KESS3 Master - Bike - ATV & UTV OBD Protocol activation	1.290,00 €
KESS3MA003	KESS3 Master - Agriculture - Truck & Buses OBD Protocol activation	2.990,00 €
KESS3MA004	KESS3 Master - Marine & PWC OBD Protocol activation	1.290,00 €
KESS3MA005	KESS3 Master - Car – LCV Bench-Boot Protocol activation	2.490,00 €
KESS3MA006	KESS3 Master - Bike - ATV & UTV Bench-Boot Protocol activation	890,00 €
KESS3MA007	KESS3 Master - Agriculture - Truck & Buses Bench-Boot Protocol activation	2.490,00 €
KESS3MA008	KESS3 Master - Marine & PWC Bench-Boot Protocol activation	890,00 €

All the activations on a new hardware include 12 months of subscription.
All the activations added to an already configured hardware will inherit the same expiry date of the existing activation.

KESS3 SLAVE



The files read by the «Slave» version are encoded.
This means that you exclusively work with modified files
provided by your reference «Master».

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OBD, Bench & Boot Mode. Configure it according to your requirements and work.
Initialize your KESS3 as required by choosing your vehicles of interest and exploring all the possible
configurations.



Code	Product	Price (EUR)
KESS3HW000	KESS3 - Hardware	600,00 €

Code	Product	Price (EUR)
KESS3SA001	KESS3 Slave - Car - LCV OBD Protocol activation	1.290,00 €
KESS3SA002	KESS3 Slave - Bike - ATV & UTV OBD Protocol activation	590,00 €
KESS3SA003	KESS3 Slave - Agriculture - Truck & Buses OBD Protocol activation	1.290,00 €
KESS3SA004	KESS3 Slave - Marine & PWC OBD Protocol activation	590,00 €
KESS3SA005	KESS3 Slave - Car - LCV Bench-Boot Protocol activation	990,00 €
KESS3SA006	KESS3 Slave - Bike - ATV & UTV Bench-Boot Protocol activation	390,00 €
KESS3SA007	KESS3 Slave - Agriculture - Truck & Buses Bench-Boot Protocol activation	990,00 €
KESS3SA008	KESS3 Slave - Marine & PWC Bench-Boot Protocol activation	390,00 €

All the activations on a new hardware include 12 months of subscription.
All the activations added to an already configured hardware will inherit the expiry date of the existing activation.

KESS3 SUBSCRIPTION AND SERVICES



The activation of new protocols, the virtual reading service, web services related to the protocol functioning and technical assistance are services available with an active subscription.
The subscription is unique and there is no distinction between the types of vehicles or the communication methods purchased.
The only discriminating factor is the tool version and the subscription length.

KESS3 MASTER

Code	Product	Price (EUR)
KESS3MS001	KESS3 Master – 12 Months of subscription	1.190,00 €
KESS3MS002	KESS3 Master – 6 Months of subscription	690,00 €

KESS3 SLAVE

Code	Product	Price (EUR)
KESS3SS0001	KESS3 Slave - 12 Months of subscription	590,00 €
KESS3SS0002	KESS3 Slave - 6 Months of subscription	390,00 €

Bespoke cables for OBD communication with every vehicle type and adapters and accessories to make your work easier for Bench mode connection.

Agriculture - Truck & Buses

Code	Product	Price (EUR)
144300K207	KESS3 – DAF 16 pin round cable	89,00 €
144300K208	KESS3 - DAF-MAN-SCANIA OBDII cable	89,00 €
144300K209	KESS3 - IVECO 30 pin round cable	89,00 €
144300K214	KESS3 - Renault Trucks OBDII 12 pin adapter cable	89,00 €
144300K215	KESS3 - SCANIA 16 pin round cable	89,00 €
144300K216	KESS3 - VOLVO Trucks LUCAS connector cable	129,00 €
144300K217	KESS3 - VOLVO Trucks - RENAULT Truck OBDII cable	89,00 €
144300K226	KESS3 - CNH - CUMMINS - John Deere 9 pin round cable	89,00 €
144300K227	KESS3 - John Deere Premium 9 pin round cable	89,00 €
144300K228	KESS3 – CNH - Valtra 8 pin round cable	89,00 €
144300K229	KESS3 – CNH - Valtra 16 pin round cable	89,00 €
144300K230	KESS3 - Massey Ferguson 16 pin round cable	89,00 €

Agriculture - Truck & Buses

Code	Product	Price (EUR)
144300K231	KESS3 - FENDT CANbus 4 pin round cable	89,00 €
144300K232	KESS3 - SAME Deutz-Fahr 14 pin round cable	89,00 €
144300K233	KESS3 - FENDT 12 pin round cable	89,00 €
144300K234	KESS3 - MAN 37 pin round cable	89,00 €
144300K235	KESS3 - CUMMINS 9 pin round cable	89,00 €
144300K236	KESS3 - CUMMINS 16 pin round cable	89,00 €
144300K237	KESS3 - MAN 12 pin round cable	89,00 €
144300K238	KESS3 - VOLVO Trucks VM connector cable	89,00 €
144300K245	KESS3 - CAT J1939 Data Link cable	89,00 €
144300K246	KESS3 - CAT - Perkins 9 pin round cable	89,00 €
144300K248	KESS3 - FENDT K-Line 4 pin round cable	89,00 €
144300K249	KESS3 - Mercedes Trucks TEMIC cable	189,00 €
144300K251	KESS3 - Mercedes Trucks TEMIC bench adapter cable	129,00 €
144300K255	KESS3 - Massey Ferguson 9 pin round cable	89,00 €
144300K260	KESS3 - SAME Deutz-Fahr 16 pin round cable	89,00 €
144300K262	KESS3 - FENDT Deutz-Fahr 14 pin round cable	89,00 €

Bike - ATV & UTV

Code	Product	Price (EUR)
144300K241	KESS3 - Aprilia - Ducati - Piaggio - MV Agusta OBD cable	49,00 €
144300K244	KESS3 - Ducati Continental - Bosch - Melco 4 pin cable	49,00 €
144300K252	KESS3 - Husqvarna - KTM 6 pin cable	49,00 €
144300K256	KESS3 - Harley Davidson J1850 4 pin cable	49,00 €
144300K257	KESS3 - Harley Davidson CANbus 6 pin cable	49,00 €
144300K258	KESS3 - MV Augusta Eldor CANbus 4 pin cable	49,00 €
144300K263	KESS3 - Yamaha T-Max K-Line cable	49,00 €
144300K266	KESS3 - BMW Motorrad 14 pin round cable	49,00 €
144300K269	KESS3 - Euro5 European motorcycles 6 pin cable	49,00 €
144300K270	KESS3 - Honda - Kehin 3 pin cable	49,00 €
144300K271	KESS3 - Yamaha OBD cable	49,00 €
144300K272	KESS3 - Benelli OBD cable	49,00 €

KESS3 ACCESSORIES



Car - LCV

Code	Product	Price (EUR)
144300K239	KESS3 - Mitsubishi double-connector cable	69,00 €
144300K240	KESS3 - Subaru OBDII cable and jumpers	69,00 €
144300K254	KESS3 - VAG DSG DQ200 25 pin connector	149,00 €
144300K259	KESS3 - VAG DSG DQ500 16 pin connector	149,00 €
144300K265	KESS3 - VAG DSG DL501 16 pin connector	149,00 €
144300K267	KESS3 - VAG DSG DQ250-DQ250MQB 20 pin connector	149,00 €
144300KOB	KESS3 - OBD cable	49,00 €

Bench - Boot

Code	Product	Price (EUR)
1400K3ALIM	KESS3 - Bench Power Supply	49,00 €
144300KBNC	KESS3 - Multiwire Cable for ECU connection	69,00 €
144300KTER	KESS3 - Extension for Multiwire Cable 144300KBNC	69,00 €
144300T100	KESS3 - Flat Cable	19,00 €
144300T101	KESS3 - Flat Cable	19,00 €
144300T102	KESS3 - Flat Cable	19,00 €
144300T103	KESS3 - Flat Cable	19,00 €
144300T104	KESS3 - Flat Cable IDC26-10	19,00 €
144300T105	KESS3 - Flat Cable IDC26-16	19,00 €
144300T106	KESS3 - Flat Cable IDC26-26	19,00 €
144300T107	KESS3 - Cable for Denso ECU (Renesas M32)	69,00 €
144300T109	KESS3 - SMD Grabber Probe (3 pieces)	109,00 €
144300T110	KESS3 - SMD Grabber Probe (1 piece)	49,00 €
144300T114	KESS3 - Cable for Bosch EDC7 ECU	19,00 €
144300T115	KESS3 - Cable for Volvo TRW Service Mode connection	189,00 €
144300TALI	KESS3External Battery Power Supply	19,00 €

Bench - Boot

Code	Product	Price (EUR)
14AM00T00M	KESS3 - Adapter for Delphi DCM3.1 ECU (Motorola MPC5xx)	59,00 €
14AM00T01M	KESS3 - Adapter for Bosch ECU (Motorola MPC5xx)	59,00 €
14AM00T02M	KESS3 - Adapter for Delphi DCM3.2 ECU (Motorola MPC5xx)	59,00 €
14AM00T03M	KESS3 - Adapter for Bosch ECU (ST10Fxxx)	59,00 €
14AM00T05M	KESS3 - Adapter for Marelli ECU (Nexus MPC5xxx)	59,00 €
14AM00T06M	KESS3 - Adapter for Delphi ECU (Nexus MPC5xxx)	59,00 €
14AM00T07M	KESS3 - Adapter for Mitsubishi Denso ECU (Renesas SH705x -WR-)	59,00 €
14AM00T08M	KESS3 - Adapter for Mazda Denso ECU (Renesas SH705x -WR-)	59,00 €
14AM00T09M	KESS3 - Adapter for Nissan Denso ECU (Renesas SH705x -WR-)	59,00 €
14AM00T10M	KESS3 - Adapter for Mitsubishi Denso ECU (Renesas SH705x -RD-)	89,00 €
14AM00T11M	KESS3 - Adapter for Mazda-Nissan Denso ECU (Renesas SH705x -RD-)	89,00 €
14AM00T13M	KESS3 - Adapter for TRW Truck ECU (Nexus MPC5xxx)	89,00 €
14AM00T14M	KESS3 - Adapter for Lotus EFI T6 ECU (Nexus MPC5xxx)	59,00 €
14AM00T15M	KESS3 - Adapter for Denso ECU (NEC 76F00xx Board Type A)	89,00 €
14AM00T16M	KESS3 - Adapter for Denso ECU (NEC 76F00xx Board Type B)	89,00 €
14AM00T17M	KESS3 - Adapter for Bosch EDC17C59 ECU (Infineon Tricore)	89,00 €

Bench - Boot

Code	Product	Price (EUR)
14AM00T18M	KESS3 - Adapter for Marelli ECU (Motorola MPC56xxx)	89,00 €
14AM00T20M	KESS3 - Adapter for Bosch MED17.9.7 ECU (Infineon Tricore)	59,00 €
14AM00T22M	KESS3 - Adapter for Bosch MEDC17.9 ECU (Infineon Tricore)	89,00 €
14AM00T24M	KESS3 - Adapter for Continental SID208-SID209 ECU (Infineon Tricore)	89,00 €
14AM00T25M	KESS3 - Adapter for Continental SID807 ECU (Infineon Tricore)	89,00 €
14AM00T28M	KESS3 - Multi-function Board (Renesas SH725xxx)	89,00 €
14AM00T29M	KESS3 - Pull-out (Renesas SH725xxx-36)	59,00 €
14AM00T30M	KESS3 - Pull-out (Renesas SH725xxx-26)	59,00 €
14AM00TB01	KESS3 - Siemens pull-out (Motorola MPC5xx)	59,00 €
14AM00TB02	KESS3 - Magneti Marelli pull-out (Motorola MPC5xx)	59,00 €
14AM00TB03	KESS3 - Bosch EDC7 pull-out (Motorola MPC5xx)	59,00 €
14AM00TBAS	KESS3 - Multi-function Board (Motorola MPC5xx)	59,00 €
14AS00T02S	KESS3 - Soldering Adapter for TRW Truck ECU (Motorola MPC5xx)	59,00 €
14AS00T06S	KESS3 - Soldering Adapter for Generic ECU (Motorola 68000HC)	59,00 €
14AS00T10S	KESS3 - Soldering Adapter for Denso ECU (Renesas SH705x)	59,00 €
14P600KT04	KESS3 - Adapter for Bosch EDC17-MED17 ECU (Infineon Tricore)	89,00 €


Bench - Boot

Code	Product	Price (EUR)
14P800ADB2	KESS3 - Upper illumination deck upgrade	99,00 €
14P800ADB3	KESS3 - Programming probes kit	59,00 €
14P800DIMA	KESS3 - Alientech Dima Positioning Frame	240,00 €

ECM TITANIUM



ECM Titanium is our Remap software suite developed by Alientech that enables you to interpret and modify the maps contained in the original files of the ECUs and TCUs.

<div>VERSION</div> <div></div>	<div>DRIVER MAKER</div>	<div>SUBSCRIPTION AND CREDITS</div>
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ECM TITANIUM VERSION



ECM TITANIUM Full.

A comprehensive solution in which you have dedicated technical assistance, up to 100 drivers per day available for download for cars, bikes, tractors, trucks, and boats.
You can request Original Files and New Drivers, update the drivers list and the software. If you choose the Full version, you have everything at your disposal and you are free to remap without restriction.

ECM TITANIUM Credits.

Activate your ECM TITANIUM software with Credits and choose the operations that interest you the most. Do you need a motorbike or gearbox driver? Use some of your credits only! You maintain control over what you do and, depending on your needs, you can expand your “credit package”.

Feature	ECM TITANIUM CREDIT	ECM TITANIUM FULL / PROMO*
ECM Titanium security key	Included	Included
Software update	Included	Included
Drivers update	Included	Included
Technical assistance	-	Included
Original File Download	-	Included
New Driver request	Included	Included
Driver download	40 credits	Included

Code	Product	Price (EUR)
149757EC10	ECM Titanium - Credit* version	890,00 €
149757ECM9	ECM Titanium - Full version	2.200,00 €
149757ECMP	ECM Titanium - Full Promo** version	1.100,00 €

* The Full version includes 12 months of subscription. The Credit version includes 1000 credits.
** The Full Promo version is available only in association with KESS3 Master.

ECM TITANIUM DRIVER MAKER

ALIENTECH®

If you wish to make the most of ECM TITANIUM and be more independent when generating your remaps, Driver Maker is right for you.
This is a plugin for creating new drivers or modifying our existing drivers in the Alientech databank.

Code	Product	Price (EUR)	Price (GPB)
149757ECMD	ECM Titanium - Driver Maker Plugin	450,00 €	£ 405,00

ECM TITANIUM SUBSCRIPTION AND CREDITS



The remapping drivers and the technical assistance are subscription-based services available only with ECM Titanium FULL.

ECM TITANIUM SUBSCRIPTION

Code	Product	Price (EUR)
18C7570001	ECM Titanium - 12 months of subscription	500,00 €
18C757EC06	ECM Titanium - 6 months of subscription	300,00 €

ECM TITANIUM CREDITS

Code	Product	Price (EUR)
149757EC12	ECM Titanium - 1x Download credit for Driver (min. 40)	1,00 €
149757EC13	ECM Titanium - 200x Download credit for Driver	180,00 €
149757EC14	ECM Titanium - 400x Download credit for Driver	320,00 €
149757EC15	ECM Titanium - 800x Download credit for Driver	560,00 €

POWERGATE 3+

Powergate3+ is the ECU programming unit that you can configure and customize with your modified files.

DECODER



VERSION

POWERGATE 3+ DECODER



Powergate3+ is the ECU programming unit that you can configure and customize with your modified files.
The tuner purchases a single Decoder which can be used to configure countless User tools which are preloaded with their modified files.

Powergate3+ Decoder

The tool that allows you to configure all the Powergate3+ User to sell to your customers and to associate them to your customer code.
All the files you modified and uploaded to the device are encoded to protect your work and you have a modified file internal database.

Powergate3+ User

The tool which is sent to the final customer.
It contains the Original File of the ECU and the modified maps (up to 5 different levels of elaboration) that the customer can write on its vehicles.

Code	Product	Price (EUR)
1400P40000	POWERGATE 3+ - Decoder Unit for Cars	125,00 €
1400P40003	POWERGATE 3+ - Decoder Unit for Tractors	125,00 €
1400P40005	POWERGATE 3+ - Decoder Unit for Bikes	125,00 €

POWERGATE 3+ USER



POWERGATE 3+ CAR

The price of the single unit varies according to the quantity purchased.
Every Powergate 3+ includes the OBDII standard cable (1400P3MF15).

Code	Product	Price (EUR)
1400P40001	POWERGATE 3+ - User Unit for Cars (1-4x)	196,00 €
1400P40001	POWERGATE 3+ - User Unit for Cars (5-9x)	175,00 €
1400P40001	POWERGATE 3+ - User Unit for Cars (10-24x)	160,00 €
1400P40001	POWERGATE 3+ - User Unit for Cars (25-49x)	150,00 €
1400P40001	POWERGATE 3+ - User Unit for Cars (50-99x)	140,00 €
1400P40001	POWERGATE 3+ - User Unit for Cars (100+)	125,00 €

POWERGATE 3+ USER



POWERGATE 3+ AGRICULTURE

The price of the single unit varies according to the quantity purchased.
Every Powergate 3+ includes the OBDII standard cable (1400P3MF15).
The correct cable to associate is available as an accessory to be purchased separately.

Code	Product	Price (EUR)
1400P40004	POWERGATE 3+ - User Unit for Tractors (1-4x)	259,00 €
1400P40004	POWERGATE 3+ - User Unit for Tractors (5-9x)	229,00 €
1400P40004	POWERGATE 3+ - User Unit for Tractors (10-24x)	209,00 €
1400P40004	POWERGATE 3+ - User Unit for Tractors (25-49x)	189,00 €
1400P40004	POWERGATE 3+ - User Unit for Tractors (50-99x)	179,00 €
1400P40004	POWERGATE 3+ - User Unit for Tractors (100+)	159,00 €

Code	Product	Price (EUR)
1400P3MF07	POWERGATE 3+ - John Deere Standard cable	60,00 €
1400P3MF08	POWERGATE 3+ - John Deere Premium cable	60,00 €

POWERGATE 3+ USER



POWERGATE 3+ BIKE

The price of the single unit varies according to the quantity purchased.
Powergate 3+ for Bikes are divided by type of cable according to the supported bike type.

BMW Motorrad Bikes Euro4

Code	Product	Price (EUR)
1400P40006	POWERGATE 3+ - User Unit for BMW Motorrad Bikes Euro4 (1-49x)	145,00 €
1400P40006	POWERGATE 3+ - User Unit for BMW Motorrad Bikes Euro4 (50+)	130,00 €

*1400P3MF16 - BMW BMSK Bosch ME9 Cable included

KTM Bikes

Code	Product	Price (EUR)
1400P40007	POWERGATE 3+ - User Unit for KTM Bikes (1-49x)	145,00 €
1400P40007	POWERGATE 3+ - User Unit for KTM Bikes (50+)	130,00 €

*1400P3MF06 - KTM Keihin Cable included

POWERGATE 3+ USER



Marelli Italian Bikes

Code	Product	Price (EUR)
1400P40008	POWERGATE 3+ - User Unit for Marelli Italian Bikes (1-49x)	145,00 €
1400P40008	POWERGATE 3+ - User Unit for Marelli Italian Bikes (50+)	130,00 €

*1400P3MF09 - Ducati Marelli Cable included

VDO Italian Bikes

Code	Product	Price (EUR)
1400P40009	POWERGATE 3+ - User Unit for VDO Italian Bikes (1-49x)	145,00 €
1400P40009	POWERGATE 3+ - User Unit for VDO Italian Bikes (50+)	130,00 €

*1400P3MF05 - Ducati VDO Cable included

Triumph Bikes

Code	Product	Price (EUR)
1400P40010	POWERGATE 3+ - User Unit for Triumph Bikes (1-49x)	145,00 €
1400P40010	POWERGATE 3+ - User Unit for Triumph Bikes (50+)	130,00 €

*1400P3MF15 - OBD Standard Cable included

Harley-Davidson Bikes

Code	Product	Price (EUR)
1400P40011	POWERGATE 3+ - User Unit for Harley-Davidson Bikes (1-49x)	145,00 €
1400P40011	POWERGATE 3+ - User Unit for Harley-Davidson Bikes (50+)	130,00 €

*1400P3MF10 - Harley-Davidson Cable included

MV Agusta Eldor Bikes

Code	Product	Price (EUR)
1400P40012	POWERGATE 3+ - User Unit for MV Augusta Eldor Bikes (1-49x)	145,00 €
1400P40012	POWERGATE 3+ - User Unit for MV Augusta Eldor Bikes (50+)	130,00 €

*1400P3MF12 - MV Agusta Eldor Ecu Cable included

Yamaha T-Max Scooters

Code	Product	Price (EUR)
1400P40013	POWERGATE 3+ - User Unit for Yamaha T-Max Scooters (1-49x)	145,00 €
1400P40013	POWERGATE 3+ - User Unit for Yamaha T-Max Scooters (50+)	130,00 €

*1400P3MF14 - Yamaha T-Max 2012 Cable included

Italian Bikes Euro5

Code	Product	Price (EUR)
1400P40021	POWERGATE 3+ - User Unit for Italian Bikes Euro5 (1-49x)	145,00 €
1400P40021	POWERGATE 3+ - User Unit for Italian Bikes Euro5 (50+)	130,00 €

*1400P3MF17 - Piaggio-Guzzi Cable included

BMW Motorrad Bikes Euro5

Code	Product	Price (EUR)
1400P40023	POWERGATE 3+ - User Unit for BMW Motorrad Bikes Euro5 (1-49x)	145,00 €
1400P40023	POWERGATE 3+ - User Unit for BMW Motorrad Bikes Euro5 (50+)	130,00 €

*1400P3MF15 - OBD Standard Cable included

Honda Bikes

Code	Product	Price (EUR)
1400P40024	POWERGATE 3+ - User Unit for Honda Bikes (1-49x)	145,00 €
1400P40024	POWERGATE 3+ - User Unit for Honda Bikes (50+)	130,00 €

*1400P3MF18 - Honda Cable included

POWERGATE 3+ USER



Husqvarna Bikes

Code	Product	Price (EUR)
1400P40026	POWERGATE 3+ - User Unit for Husqvarna Bikes (1-49x)	145,00 €
1400P40026	POWERGATE 3+ - User Unit for Husqvarna Bikes (50+)	130,00 €

*1400P3MF06 - Husqvarna Cable included

Yamaha Bikes

Code	Product	Price (EUR)
1400P40027	POWERGATE 3+ - User Unit for Yamaha Bikes (1-49x)	145,00 €
1400P40027	POWERGATE 3+ - User Unit for Yamaha Bikes (50+)	130,00 €

*1400P3MF19 - Yamaha Cable included

Benelli Bikes

Code	Product	Price (EUR)
1400P40028	POWERGATE 3+ - User Unit for Benelli Bikes (1-49x)	145,00 €
1400P40028	POWERGATE 3+ - User Unit for Benelli Bikes (50+)	130,00 €

*1400P3MF20 - Benelli Cable included

USE OF THE TOOLS

This new course will introduce you to the world of remapping, to understand all the applications, stages, basic skills and objectives to achieve thanks to the modification of the engine control unit.

In addition, we will analyze in detail and perform several practical tests to better understand how to use the hardware tools, software and services provided by Alientech.

ECM TITANIUM: HOW TO USE

Thanks to this course you will have the opportunity to deepen your knowledge of the Alientech ECM Titanium software and to understand the operational strategies used by diesel and petrol engine control units.

We will analyze the many systems present in the new generation engines, to understand how and with which maps the ECU controls the performance developed by the vehicle. In addition, you will understand what are the practical procedures and basic techniques to perform remapping of diesel and petrol engines.

MORE INFORMATION ON REMAPPING PETROL ENGINES

This course will allow you to deepen even more your skills for the modification of petrol engine control units and to understand what are any limits present in other units, which do not allow you to unlock the maximum potential of the vehicle.

You will understand how to calculate the maximum possible increment on any stock engine and what specific modification procedures have been applied to some selected practical examples. In addition, we will see how to use the software ECM Titanium for the comparison of original files with different powers.

MORE INFORMATION ON REMAPPING DIESEL ENGINES

This frontal course will allow you to delve even further into your skills for modifying Diesel Engine Control Units and to understand how to avoid various issues such as, for example, torque monitoring.

You will understand how to calculate the maximum possible increment on any stock engine and what specific modification procedures have been applied to some selected practical examples, and then test the modified file created, on the test bench. Finally, we will see how to use the software ECM Titanium for the comparison of original files with different powers.

DRIVER MAKER: HOW TO USE

This third level course explains the theoretical knowledge and internal file structure used by major ECU manufacturers. You will understand how the original file is stored inside the ECU through the hexadecimal numerical base, how its structure is made in 2D view with the various precisions of usable bits and you will understand what are the various elements that make up the stock file.

In addition to this, there will be the opportunity to learn how to interpret the data in a DAMOS file and the standard map storage structures adopted by the various control unit manufacturers.

You can then get the information you need to enter the correct data with the ECM Titanium Driver Maker plug-in or any other remapping software with similar capabilities, and will put into practice the notions learned thanks to several practical examples with the use of official Alientech software.

1st level - Training

Code	Product	Price (EUR)
CF00570009	Training - Practical use of the tools	290,00 €
CF00570010	Training - The ECU: theory and communication	290,00 €
CF00570011	Training - ECM Titanium: remapping software	290,00 €

2nd level - Training

Code	Product	Price (EUR)
CF00570012	Training - Petrol mapping	390,00 €
CF00570013	Training - Diesel mapping	390,00 €

3rd level - Training

Code	Product	Price (EUR)
CF00570014	Training - Driver development and map analysis in 2D format through the practical use of Driver Maker	980,00 €

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2022 PRICE LIST

Language: **English**
Currency: **Euro (€)**
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