## Guide to using the software



# Index

1	What is BttAutomap ONLINE?	2
	Register at BttAutomap	2
	Activation times after registration	3
	Access to programm	3
	Change password	3
	Display of the remaining credit	4
	Sending request to top up credit	4
	To request new credit, contact mailto:bttautomap@betatestertuning.it	4
	Service request submission via file ID.	4
	Using the library	5
	Using File List.	5
2	Solutions	6
	How to upload a file	6
	How does it recognize a file	7
	Recognized file	7
	Green tick file recognized	8
	How to access the solutions	8
	How to buy a solution	8
	Apply solution	9
	Exporting the solution (Writing on the vehicle)	9
3	Using Editor.	.10
	Modify by 2d	.11
	Search for maps and points	.14
	Vertical bar to the right of the screen	.14

### What is BttAutomap ONLINE?



This program is a binary file editor dedicated to Automotive Tuning, and is compatible with all hardware reading and writing tools, BttAutomap detects the vehicle file through a special function and guides the user to the best solution with respect to its need for processing, be it errors or increase in performance, BttAutomap is the ideal program. BttAutomap is in continuous development and has been designed to be tailor-made with respect to the use case to be manipulated, in fact the BttAutomap community makes sure to improve the program through collective feedback. Below you will find the basic explanation to start using the program to the fullest. Registration for access to program functions.

#### Register at BttAutomap

Sign Up	
Username	_
E-mail	_
Password	-
Confirm Password	0 
I have read the <u>privacy policy</u>	
SUBMIT	
You already have an account? Sign In Now	

BttAutomap registration page, enter Username, E-mail, Password, Confirm Password, read our privacy policy, check the box and click Submit.

### Activation times after registration

User activation times range from 12/24 working hours, the system will not send any confirmation emails.

#### Access to programm

Sign In		
E-mail mail@mail.com		
Password		-
	SUBMIT	9
You don't have an account? <u>Sign Up</u>	) Now	
Forgotten Password? <u>Recover Here</u>		

Access to BttAutomap, enter your login credentials and click Submit.

### Change password

Field	Value	Actions
username	рірро	
Email	pippo@pippo.it	
Coins	150	
	UPDATE PASSWORD	

The user can change his password at any time.

### Display of the remaining credit



At the top right of the screen you can see the remaining credit.

### Sending request to top up credit

To request new credit, contact mailto:bttautomap@betatestertuning.it

### Service request submission via file ID



Send the file code File ID of the file to request:

- Adding a solution
- Rectification of a solution

#### Using the library



In your library you will find all the files purchased and viewable in your editor via the appropriate button (green arrow). If you have also purchased the solution you can see the check mark on the right of the button (green arrow).

### Using File List

Files List				Search								
DТ	Brand	Model	Size	ECU HW	ECU SW	ECU Brand	ECU Family	ECU Memory	Price	Solutions		Actions
620cd2433b302300252c123c	VOLVO	V60 2000 16V D 163CV	4 MB		213	BOSCH	EDC17CP48				~	Ħ
620f6b6dc9d3390025675348	VOLVO	V50 1600 D 110CV	2 MB	775	149	BOSCH	EDC16C34				<b>~</b>	Ħ
620f6b54c9d339002567531b	VOLVO	V40 2000 16V D2 120CV	4 MB			DENSO	MB279700- 9621				~	
620f6b51c9d3390025675315	VOLKSWAGEN	TRANSPORTER T6 2000 16V TDI 204CV	4 MB			DELPHI	DCM6_2				~	
620f6b4dc9d3390025675310	VOLKSWAGEN	TRANSPORTER T6 2000 16V TDI 140CV	4 MB			DELPHI	DCM6_2				~	
620f6b70c9d3390025675369	VOLKSWAGEN	TRANSPORTER 2500 TDI 130CV	1 MB	568	363	BOSCH	EDC16U1			0	<b>~</b>	Ä
620f6b71c9d339002567536e	VOLKSWAGEN	TRANSPORTER 2500 TDI 102CV	512 KB	681	448	BOSCH	EDC15VM				~	Ħ
62069c9297746100253b31a0	VOLKSWAGEN	TOURAN I 1600 16v TDI 105CV	2 MB	03L907425C	03L907425C	CONTINENTAL	PCR 2_1				~	Ĭ
62069c9297746100253b319f	VOLKSWAGEN	TOURAN I 1600 16V TDI 105CV	2 MB	03L906023A	03L906023A	CONTINENTAL	PCR 2_1				~	Ä
62069c9297746100253b31a2	VOLKSWAGEN	TOURAN 1600 16v TDI 105CV	2 MB	03L907425C	03L907425C	CONTINENTAL	PCR 2_1				~	
620f6b71c9d339002567536a	VOLKSWAGEN	TOURAN 1600 16V FSI 115CV	2 MB	152	349	BOSCH	MED9_5_10				~	Ä
620cd2643b302300252c1253	VOLKSWAGEN	TIGUAN 2000 16v TDI 184CV	4 MB			BOSCH	EDC17C74				<b>~</b>	H
620cd2473b302300252c1242	VOLKSWAGEN	SHARAN 2000 16v TDI 184CV	4 MB			BOSCH	EDC17C64				~	Ì.
620f6b71c9d3390025675374	VOLKSWAGEN	SCIROCCO 2000 16V TFSI 211CV	2 MB			BOSCH	MED17_5				~	Ħ
62069c9297746100253b31a1	VOLKSWAGEN	POLO V 1600 16v TDI 90CV	2 MB	03L907425B	03L907425B	CONTINENTAL	PCR 2_1				~	Ĩ
								Rows per page:	15	▪ 1-15 of 90	6 <	>

The files already purchased are without the cart icon and therefore you will find them in the library, they will be stored permanently and reused over time if you work on the same vehicle.

### Solutions

≡ Editor																		G
FILE EDIT FIND SELECTION V	view.																	
Address 🔁 Value 🔁	<b>F</b> ad K	۶										0+-		≡C <u>1</u>	+ · SET	RESET	ם ו	■ ~
FILE INFO A																256 248 240 232 224 208 208 208 208 208 209 192 184 176 188 180		0 M S   0 M S   0 16 +   0 + +   0 + +   0 + +   0 + -   0 + -   0 + -   0 + -   0 - -   0 - -   0 - -
Differences: 0 Differences: NAN Percentage: 0% Percentage: NAN%																152 144 136	[	LE BE DEC HEX
CREATE MAP FROM SELECTION																120 112 112		I F
Search Q																96		
Name Addr. Len. Size																80		
Rows per page: § 💌 – < >																64 56 48	L	
																40 32 24 16 8		
	0 10	20	30	40	50	60	70	80	90	A0	B0	C0	D0	E0	F0		• Q	
	K 44 4							Q 100%	Q							► <b>►►</b> >1		
																		/

Blank page no file is loaded.

### How to upload a file

FILE EDIT	FIN	D SEL	ECTION	
Open File	Ð	Value	Ę	
Export File				
Import File Mod			2	
Recognize File	v			
Show Solutions	c62f2	d		
Import Maps	мв)			
Export Maps		HOVERED	SCOPE	
Value: NaN		Value:	NaN	
Original: NaN		Original:	NaN	
Differences: 0		Difference	s:0	
Percentage: 0%		Percentag	e: 0%	

Click Open File from the file menu.

### How does it recognize a file

FILE EDIT FIND SELECTION VI	EW
Open File Value Đ	
Export File	0000000 - 22040 6525 00000 12200 6555 6552 6552 6555 0000 0406 0000 56646 0000 55546 0000 5664
Import File Mod	23949 55335 00000 12290 55335 5533 5533 5533 5535 5535 00000 81024 00000 59646 00000 55551 00000 59647 00000020 02948 00000 00000 64767 00000 29915 00000 00000 01024 00000 00256 00000 44975 44975 01040 00000 00000040 00000 0000 64767 00000 29915 00000 00000 01024 00000 00256 042075 44975 01040 00000
Recognize File	00000060 2000 04090 00000 04311 4/0/0 1/630 1/659 4/065 00000 00000 00000 02004 14392 12649 20/63 126/4 00000060 12341 11824 08241 12592 39631 13172 39888 13429 32768 00455 08472 61446 08472 61446 24917 02048 00000060 23100 0272 3573 0023 0027 4 1375 0020 2373 0020 4 2373 0020 4 2375 4202 61460 08472 61460 24917 02048
Import Maps MB)	00000000 23109 0307 2 037 00224 28765 42179 32053 00000 20737 00224 28765 45263 00249 00000 40317 43300 00000000 26737 00224 28785 44227 35669 00000 39549 42498 26737 00224 28785 45251 35669 00000 33165 0372 00000000 20131 2024 28785 44227 35669 00000 39549 42498 26737 00224 28785 45251 35669 00000 33165 0372
Export Maps Hovered Scope Position: 24	00000000 24913 02048 004903 03904 004903 0221 04003 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00221 004903 00
Value: Value: 0 Original: NaN Original: 0 Differences: 0 Differences: 0	00000120 30656 58904 04291 14178 30221 04578 59504 00480 59216 45187 30656 61552 00232 02530 51312 00480 00000140 50716 45187 30400 14112 30416 02280 51312 00480 50716 45187 30400 05920 30416 08472 61446 24917 00480 50716 45187 30400 05920 30416 08472 61446 24917 00480 50716 45187 30400 05920 30416 08472 61446 24917 00480 50716 45187 30400 05920 30416 08472 61446 24917 00480 50716 45187 30400 05920 30416 08472 61446 24917 00480 50716 45187 30400 05920 30416 08472 61446 24917 00480 50716 45187 30400 05920 30416 08472 61446 24917 00480 50716 45187 30400 05920 30416 08472 61446 24917 00480 50716 45187 30400 05920 30416 08472 61446 24917 00480 50716 45187 30400 05920 30416 08472 61446 24917 00480 50716 45187 30400 05920 30416 08472 61446 24917 00480 50716 45187 00480 30580 47400 33185 83877 24013 8788 88476
Percentage: 0% Percentage: 0%	00000180 04096 02048 01864 51312 00480 50944 58932 17526 59504 00480 59164 17526 50968 00384 01864 30352 00000180 59564 00480 59164 17526 50968 00640 01864 30352 18248 51312 00480 59164 158932 18294 59584 00480
CREATE MAP FROM SELECTION	000001C0 59224 43651 50976 58996 16132 59504 00480 51036 16502 59504 00480 59224 16502 59136 09984 58996
Search Q	000001E0 16132 59504 00480 51036 17014 59504 00480 59216 42115 30209 59504 00480 51028 15478 00120 17690 0000200 17921 13569 59504 00480 59164 10358 22480 26577 01608 59504 00480 51028 14454 55408 63971 30404
Name Addr. Len. Size No data available	00000220 01892 30420 00453 36864 61728 01024 00000 00000 02172 42498 16496 04064 08262 08304 00224 08518   00000240 04102 26739 00224 28787 16576 06996 00000 00120 40727 06259 63971 14419 04096 24435 65511 20339
Rows per page: 5 👻 - < >	00000260 65479 43334 14423 04096 24688 00992 25372 00144 24700 09217 30833 63715 33649 01248 35953 00192

File recognition (green arrow).

### Recognized file



The file was recognized as a possible match of the original file.

#### Green tick file recognized



How to access the solutions



#### How to buy a solution



### Apply solution

	Available Solutions		U
	Name	Actions	
	NO DPF	APPLY	
	NO EGR	APPLY	
	NO DPF, EGR	APPLY	
	Stage1_NO DPF, EGR	APPLY	
H H	Stage1	APPLY	
3!			
3!			
3!			CLOSE
31			

### Exporting the solution (Writing on the vehicle)



To export the file and write it to your vehicle, click on Export File.

## Using Editor



Position:	1D1E90	Position:	NAN		001D1D1C	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	000
Value:	2867	Value:	NaN		001D1D3C	01500	02000	02500	03000	03500	00500	01000	01500	02000	02500	03000	035
Original:	2867	Original:	NaN		001D1D5C	00128	00128	00128	00000	00000	00128	00128	00128	00128	00128	00128	000
Difference	es: 0	Difference	s:0		001D1D7C	00128	00077	00009	00000	00000	00171	00162	00128	00102	00060	00026	000
Percentag	e: 0.00%	Percentag	e: 0%		001D1D9C	00085	00051	00026	00000	00000	00111	00111	00102	00068	00034	00004	000
MAPS					001D1DBC	00043	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	000
					001D1DDC	00950	01000	01500	02000	02500	03000	03500	00500	01000	01500	02000	025
	CREATE MAP	FROM SELEC	TION		001D1DFC	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	000
Sooroh				0	001D1E1C	00098	00085	00064	00038	00004	00000	00000	00085	00081	00064	00051	000
				~	001D1E3C	00068	00055	00043	00026	00013	00000	00000	00055	00055	00051	00034	000 <sup>.</sup>
Name	Addr.	Len.	Size		001D1E5C	00030	00030	00021	00000	00000	00000	00000	00000	00000	00000	00000	000
	No dat	ta available			001D1E7C	04096	04096	02867	02048	00000	00000	00000	04096	04096	04096	02867	0204
	Rows per pag	e:5 🔻 -			001D1E9C	00700	00750	00800	00850	00900	00920	00950	01000	12288	08192	08192	040

Blank page, no files are loaded. Optimal zoom from Browser Chrome, Firefox, Edge is 67 - 80 percent. Modify by grid

### Modify by 2d



A typical view containing the maps proposed by the system or those created by the user.





11

After making the desired selection, to increase the values either in a distributed way or in an incremental way we can use the function with the square symbol and in this case we can click on the left arrow because it means that we want the values increased for each map step from 1% to 9% in this case the result can be seen on the next image.



Standard incremental increase for each map step, but, you can make further overlapping changes using the square function a second time we can choose the arrow at the top left, and so we have an incremental distribution from the map start up to the current selection file, see following image,



#### Explanation of the arrows:

1) if we have a map with slope from left to right, usually the directions are used (top left and left), it depends on the need for the increase.

2) Or if the map is made upside down as shown in the figure, you can choose the (right arrow or top right).

3) If we need to change the values by mixing the increments you can choose

4) the other directions, the user can decide more strategies.

5) The percentage of the increase can be decided by the Tuner, it is advisable to start from 1% up to a maximum of what you want with respect to the modification standards, usually up to 30% on average on all cases.



If you click on the name of the map in the map list that appears on the left, BttAutomap takes you directly to the map by positioning itself on the left side of the screen in order to view the whole map with respect to the maximum horizontal size of the screen.

#### Search for maps and points



This function is used to search for byte patterns, i.e. contiguous byte fragments in your dump file and you can search for uguli or similar maps, appropriately modifying the tolerance value for the search for maps of any size, even single points.

#### Vertical bar to the right of the screen

⊞	]		~
	۵	כ	
o	N	л	s
Cols	1(	5	+
_ Shift	1 2		+
8	1	6	32
U			S
LE			BE
DEC	C	ŀ	IEX
I			

This image shows a series of buttons and switches that are used to: starting from the top, the first two respectively indicate the grid view, and the one on the right indicates the 2d view, while the three buttons with the three windows of different size indicate the height you prefer for the visualization part according to your screen, immediately after we find O, M, S, which indicates original, modified values view, double split view, this function is present in grid mode. Then there are the two fields shift and cols, they are used to center a map so that it is a consistent map with number of rows and number of columns if we are obviously talking about maps with two dimensions. Immediately after we find 8,16,32 which indicates the number of bits for display, while U, S, inica respectively unsigned / signed, then we have the swap byte BE, LE, which indicates standard notations, Big endian (Motorola), Little endian (Intel), Then we have the two buttons HEX, DEC, which in grid mode you can see the values both in hexadecimal (base 16), or in base 10 (standard). Finally in this section of buttons we have the whole notation which is the default one or if we encounter 32 bit float maps, we can see the maps, for example of ECU models that use the IEEE standard, with the comma.