FC200 User Manual

Version No. : V1.0.0(2021.07.31)

1. Software Use

Below the main interface is the software version and device information.



The functions on right side are are:

•Setting Set the language, font size and display type.

• Firmware update Firmware version update

Authorization infoFC200 software requires authorization before useUse helpOpen use document

1.1 Setting

Traditional Chinese, English, French , Polish and Spanish

Font size: You can enter the font size yourself (the larger the number, the

larger the font) Range: 8-20

Display Method: Select category display and merge display

[®]Display style: Blue gray and dark blue

☆ FC200			ECU 🝷 Search	c	২ −
Brand	model		Engine-gearbox		
Abarth	2 Series(F46)	•	3000 B58B30 387		Setting
Aebi	2 Series(F87)				Data process
Alfa Romeo	3 Series(E90)	E			Data process
Artec	3 Series(E91)				
Aston	3 Series(E92)				
Aston Martin	3 Series(E93)				
Audi	希 Setting		×		
BMW					
Baic	Language:	English	•		
Bentley	Wiring diagram:	Show thumbnails in the	output window		
Bugatti					
CASE	font size:	9	8-20		
CASE Tractors	Display Mode:	Category	*		
Can-Am					
Caterpillar	Display style:	Blue Gray	*		
Chang An		Apply			
Chery			_]	
Chevrolet					
Chrysler					
Citroen					Bosch Search
DS					
Dacia					Firmware upgrade
Dallara					Check for updates
Deutz					
Dodge					license
Ducati					help
Whatsapp:+8613500065304/+86136	502538824 SN:110005	AB Firmware version:00	07 Software version:1.0.0	Device activation t	ime remaining:27

1.1.1 Display Method

☆ FC200		ECU - Search	২ – ⊏ ×
Brand	model	Engine-gearbox	
Abarth	2 Series(F46)	3000 B58B30 387	Setting
Aebi	2 Series(F87)		Data process
Alfa Romeo	3 Series(E90)		Data process
Artec	3 Series(E91)		
Aston	3 Series(E92)		
Aston Martin	3 Series(E93)		
Audi	3 Series(F30)		
BMW	3 Series(F31)		
Baic	3 Series(F34)		
Bentley	3 Series(F35)		
Bugatti	3 Series(F80)		
CASE	3 Series(G20)		
CASE Tractors	2 Series/(621)		
Can-Am	ECU		1
Caterpillar	BMW MG1CS024 TC298TP		
Chang An			
Chery			
Chevrolet			
Chrysler			
Citroen			Bosch Search
DS			
Dacia			Firmware upgrade
Dallara			Check for updates
Deutz			
Dodge			license
Ducati			help
Whatsapp:+8613500065304/+86136	502538824 SN:110005AB Firmware version:00	007 Software version:1.0.0 Device activation t	ime remaining:27

Select category display

Select category display

☆ FC200		ECU 🝷 Search	م	– – ×
Brand	ECU			
Abarth	BMW MG1CS003 SPC5777			Setting
Aebi	BMW MG1CS024 TC298TP			Data process
Alfa Romeo	BMW MG1CS201 TC298TP			Data process
Artec	BOSCH EDC17C06 TC1766			
Aston	BOSCH EDC17C41 TC1797			
Aston Martin	BOSCH EDC17C50 TC1797			
Audi	BOSCH EDC17C56 TC1797			
BMW	BOSCH EDC17C76 TC1793			
Baic	BOSCH EDC17CP02 TC1766		=	
Bentley	BOSCH EDC17CP09 TC1796			
Bugatti	BOSCH EDC17CP45 TC1797			
CASE	BOSCH EDC17CP49 TC1797			
CASE Tractors	BOSCH ME17.2 BMS-X TC1797			
Can-Am	BOSCH ME17.2.1 TC1796			
Caterpillar	BOSCH ME17.2.4 TC1793			
Chang An	BOSCH MEV17.2.1 TC1796			
Chery	BOSCH MEVD17.2 TC1797			
Chevrolet	BOSCH MEVD17.2 TC1797_N55			
Chrysler	BOSCH MEVD17.2.3 TC1793			
Citroen	BOSCH MEVD17.2.3 TC1793_B38			Bosch Search
DS	BOSCH MEVD17.2.4 TC1797_N20			
Dacia	BOSCH MEVD17.2.5 TC1797_N13			Firmware upgrade
Dallara	BOSCH MEVD17.2.6 TC1797_N55			Check for updates
Deutz	BOSCH MEVD17.2.8 TC1797			
Dodge	BOSCH MEVD17.2.9 TC1797			license
Ducati 👻	BOSCH MEVD17.2.9 TC1797_N20		-	help
Whatsapp:+8613500065304/+86136	02538824 SN:110005AB Firmware version:00	07 Software version:1.0.0	Device activation ti	me remaining:27

1.2 Device Authorization

FC200 software requires authorization before use

Olick Authorization Information button on the main interface to view
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the authorization list

©Click the Update Authorization button

🕋 FC200			ECL	J - Search			Q	– = ×
Brand	ECU							
Abarth	BM\	V MG1CS003	SPC5777					Setting
Aebi	BM	V MG1CS024	TC298TP					Data process
Alfa Romeo	RM	V MG1CS201	ТСРОЯТР					Data process
Artec	🕋 Authorize					×		
Aston								
Aston Martin	FunctionID	ID	Function name		Authorized			
Audi	A1000001	0	MSD80/81/85/87/MSV90 Read	d/Write Data	Yes			
BMW	A1000001	1	Mercedes SIM271 Read/W	/rite Data	Yes			
Baic	A1000001	2	Frompt	Ita	Yes		=	
Bentley	A1000001	3	Activation successful	Vrite ISN	Yes	Ξ		
Bugatti	A1000002	0		D)	Yes			
CASE	A1000003	0	ОК		Yes			
CASE Tractors	A1000004	0		nte Data	Vec			
Can-Am	A1000004				105			
Caterpillar	A1000005	0	N13/N20/N55/B38/TC1/X Read	Data(BENCH)	Yes			
Chang An	A1000005	1	N13/N20/N55/B38/TC17X Write	Data(BENCH)	Yes			
Chery	A1000005	2	Volkswagen Bosch MED17 serie	s engine clone	Yes			
Chevrolet								
Chrysler			Update authorization					
Citroen	BOS	CH MEVD17.	2.3 TC1793_B38					Bosch Search
DS	BOS	CH MEVD17.2	2.4 TC1797_N20					r!
Dacia	BOS	CH MEVD17.2	2.5 TC1797_N13					niniware upgrade
Dallara	BOS	CH MEVD17.	2.6 TC1797_N55					Check for updates
Deutz	BOS	CH MEVD17.	2.8 TC1797					
Dodge	BOS	CH MEVD17.2	2.9 TC1797					license
Ducati	BOS	CH MEVD17.	2.9 TC1797_N20				- I	help

If "No" is still displayed after updating authorization, please contact the

manufacturer

1.3 Device search function (frequently-used)

ECU search



Bosch number search



Bosch number query (click "Bosch search")

爺 FC200			Q — □ ×
Brand	model	Engine-gearbox	
Abarth	1 Series(E81)	218d B47D20A 150	setting
Aebi	1 Series(E82)	≡ 218d N47D20C 143	Data process
Alfa Romeo	1 Series(E87)	218i B38B15A 136	Data process
Artec	1 Series(E88)	220d B47D20A 190	
Aston	1 Series(F20)	220d N47D20C 184	=
Aston Martin	1 Series(F21)	220d xDrive B47D20A 190	
Audi	2 Series(F22)	220i B48A20A 192	
BMW	2 Series(F23)	220i B48B20A 187	
Baic	2 Series(F45)	225d B47D20B 224	
Bentley	2 Series(F46)	225d N47D20D 218	
Bugatti	2 Series(F87)	228i N20B20A 242	
CASE	3 Series(E90)	228i N20B20A 245	
CASE Tractors	2 Carios(E01)	200: NIDEDON 242 MCDON	•
Can-Am	ECU		
Caterpillar			
Chang An			
Chery			
Chevrolet			
Chrysler			
Citroen			Bosch Search
DS			
Dacia			Firmware upgrade
Dallara			Check for updates
Deutz			
Dodge			license
Ducati			help
Whatsapp:+8613500065304/+86136	02538824 SN:110005AB Firmware version:(:0007 Software version:1.0.0 D	evice activation time remaining:27



2. MSV90/80/MSD87/85/ 81/80/SIM271

FC200 currently supports the cloning and ISN reading of BMW models MSV90/80/MSD87/85/81/80 (E series, F series) and Mercedes-Benz SIM271 ECU.

2.1 Determine the type of ECU according to the vehicle model, and select the correct model, otherwise the normal operation will not be possible. The MSV90 is used for description below.



After selecting the correct ECU model, the "Platform" button will appear on the right. As shown in the figure above, click the "Platform" button to enter the ECU operation interface.

2.2 View wiring diagram



Click the "Wiring Diagram" button to view the ECU wiring diagram, connect the wiring harness correctly according to the wiring diagram, and connect with the device, plug in the device DC12V interface with 12V power supply.

2.3 Identifying the ECU



Click the "Identify" button to read the ECU related information, as shown in the figure above.

2.4 Reading ISN



Click the "Read ISN" button to read the ISN.

Note: This operation needs to be connected to the network. Please ensure that the network is normal during using.

2.5 Backup Data

# BMW >> CONTINENTAL MSV90 TC1796	- @ ×
version:0008	Wiring diagram
Connecting	
Connection succeed.	Identification
VIN:WBAR62103AC403321	
	Read ISN
rypescon-eliginecondor Connection	
Connections succed.	Write ISN
VIN:WBAKB2103AC403321	
Identify:16557AA20000135E	Backup Data
Type:ECMEngineControl	
Getting ECU authorization	Restore Data
Connecting to the server to get the authorization code, please ensure network goes smoothly and wait patiently for a moment	
Verify authorization successfully.	
ISN:8639E168E8F11536ECC129528D579337	
Connecting	
Connection succeed.	
VII: WDANG2 (054)(40552)	
() packing the pac	
Connection do the server to get the authorization code, please ensure network goes smoothly and wait patiently for a moment	
Verify authorization successfully,	
ISN:8639E168E8F11536ECC129528D579337	
Connection succeed.	
Reading PFLASH	
Reading partition1/13,address 0xA000000,size 16384 Bytes	
Reading partition2/13,address 0xA0004000,size 16384 Bytes	
Reading partition3/13,address 0xA0008000,size 16384 Bytes	
Reading partition4/13,address 0xA000C000,size 16384 Bytes	
Reading partitions/13,address UXAUU1UUUUUxize 16384 Bytes	
Reading partitions) 13, address UXAUU 14UUU 322 15384 Bytes	
Reading particular in concerns where to be a press	
Bearlinn narthlinn 9/13 address (hváho2000) úzis 131072 Butes	
Reading partition10/13 address 0xA0040000 size 262144 Bytes	
······································	
16%	Back

Click "Backup Data" to back up the ECU data. After reading, please save the data for subsequent use.

Note: This operation needs to be connected to the network. Please ensure that the network is normal during use.

2.6 Data Restore

# BMW >> CONTINENTAL MSV90 TC1796		- в x
Connecting Connection succeed.	^	Wiring diagram
VIN-WBAKE2103AC403321 Identify:16557AA20000135E		Identification
Type:ECMEngineControl Connection		Read ISN
Connection succeed.		101-10 10-11
Vinci/BARDE/105AC403221 Identify:16557A20000135E		write ISIN
Type:ECMEngineControl Getting ECU authorization		Backup Data
Connecting to the server to get the authorization code, please ensure network goes smoothly and wait patiently for a moment Verify authorization successfully.		Restore Data
ISN:8639E168E8F11536ECC129528D579337 Connection		
Connection succeed.	×	
Identify:16557AA2000135E Data is about to be written. This operation will overwrite the origina		
Getting ECU authorization	e la	
Connecting to the server to get the authorization code, please ensure network goes sm Verify authorization successfully.		
ISN:8639E168E8F11536ECC129528D579337 Connection succeed.	-	
Reading PFLASH Reading partition1/13.address 0xA0000000.size 16384 Bytes		
Reading partition2/13,address 0xA0004000,size 16384 Bytes Beading partition2/13 address 0xA0008000 size 16384 Bytes		
Reading partition4/13,address 0xA000C000,size 16384 Bytes		
Reading partitions/13,address 0xA0010000;sze16364 Bytes Reading partition6/13,address 0xA0014000,size16384 Bytes		
Reading partition7/13,address 0xA0018000,size 16384 Bytes Reading partition8/13,address 0xA001C000,size 16384 Bytes		
Reading partition9/13,address 0xA0020000,size 131072 Bytes Reading partition10/13,address 0xA0040000,size 262144 Bytes		
Reading partition11/13,address 0xA0080000,size 524288 Bytes Reading partition12/13.address 0xA0100000 size 524288 Bytes		
Reading partition13/13,address 0xA0180000,size 524288 Bytes Partition DELASH		
Reading partition1/2,address 0xAFE00000,size 65536 Bytes		
Backup data successfully		Back

Click "Restore Data" to write the ECU data. Before writing, please make sure

the data is backed up. The restored data will overwrite the current ECU data.

The data can be the data of the current ECU or other ECU of the same type.



Note: During the process of data recovery, it is strictly forbidden to disconnect the device power or disconnect the device, otherwise it may cause damage to the ECU; if the software is unexpectedly shut down or the computer is shut down or crashed unexpectedly during the process of data recovery, please do not disconnect the device power or device Connect for 15 minutes, and the device can complete data recovery independently.

3. N13/N20/N55/B38/TC17X

The FC200 currently supports ISN read / write, VIN modification, and data read / write functions for the N13 / N20 / N55 / B38 / TC17X F series chassis of BMW models.

3.1 Determine the type of ECU according to the vehicle model, and select the correct model, otherwise it will not operate normally.The following is described with N55.



After selecting the correct ECU model, the "Platform" button will appear on the right. As shown in the figure above, click the "Platform" button to enter the ECU operation interface.

3.2 View wiring diagram



Click the "Wiring Diagram" button to view the ECU wiring diagram, connect the wiring harness correctly according to the wiring diagram, and connect with the device, plug in the device DC12V interface with 12V power supply.

3.3 Identifying the ECU



Click the "Identification" button to read the ECU related information, as shown in the figure above.

3.4 Reading ISN



Click the "Read ISN" button to start reading the ISN. Wait for a while to

complete the reading of the ISN.

3.5 Writing ISN

# BMW >> BOSCH MEVD17.2.G TC1797_N55/S55	- 6 ⁰ ×
Image: Subscient Markey Display (Second Second S	ddiry vin identification Modify vin Read ISN Write ISN Read DFlash Write DFlash Read PFlash Write PFlash
Backup data successfully	
100%	Back

Enter the new ISN in the edit box, and click the "OK" button to start writing the ISN.

# BMW >> BOSCH MEVD17.2.G TC1797_N55/S55	- 8 ×
Flash0 PROCON1:0000000	Wiring diagram
Flash0 PROCON2:00008020	
Flash1 PROCON0:0000dfff	Identification
Flash1 PROCON1:0000000	
Flash1 PROCON2:00000000	Modify VIN
Reading UFLASH	
Reading partition 1/2 Address 0xArE0000,size 52706 bytes	Read ISN
Needing particulor / //wiress John Er Jourgange 52700 Dytes	
Bad (SN urgestfill)	Write ISN
Conecting	
Connection succeed,	Read DFlash
chip:TC1797	
serial number.4180050902409c887408001011140000	Write DFlash
Hardware ID:019100002018000001c0530001c05500	
Flash0 PROCON0:0000dfff	Read PFlash
Flash0 PROCON1:00000000	
Flash0 PROCON2:00008020	Write PFlash
Flash1 PROCON0:0000dfff	
Flash1 PROCON1:0000000	
Flash1 PROCON2:0000000	
Reading DFLASH	
Reading partition 1/2 Address 0xAFE00000, ize 32768 Bytes	
Reading partition //2/Address UXAFE10000/size 32/bb Bytes	
rie save patric://Program Files (x86)/A1200/temp/2020-3-19-10-1/-42_IC179/_DFlash.bin	
Backup data successfully	
Connecting	
Connection succeed.	
chip:TC1797	
serial number:4180050902409c887408001011140000	
Hardware ID:019100002018000001c0530001c05500	
Flash0 PROCON0:0000dfff	
Flash 0 PROCON100000000	
Flasho PROCONZ/00008020	
Hishi PROCONU000000	
Triant PROCOND/0000000	
Sin the same partition 1/2 Address (NAEFONDO size 32768 Bytes	
Skin the same partition 7/2 Address 0xAFF1000 size 32768 Rutes	
Write ISN Successfully.	Back

Writing successfully.

3.6 Modifying VIN



Enter the new VIN in the edit box, click the "OK" button to start writing

VIN

3.7 Reading DFlash、PFlash

Take reading DFlash as an example:

# BMW >> BOSCH MEVD17.2.G TC1797_N55/S55	- e ×
Pland PRC/00.0000dff ^	Wiring diagram
Flash0 PROCON1:0000000	
Flash0 PROCON2:0008020	Identification
Flash1 PROCON: 0000dfff	
	Modify VIN
TISTI PROCONZIGUOUDOU	
Virtual of USAT	Read ISN
Skip the same partition 2/2 Address 0xAFE1000.size 32768 Bytes	
Write ISN Successfully.	Write ISN
Connecting	Devel DElevit
Connection succeed.	Read DFlash
chip:TC1797	Weite DElach
serial number:4180050902409c887408001011140000	write Driasti
Hardware ID:019100002018000001c0530001c05500	Read PFlach
Flash0 PROCONV:0000dfff	Read I Haan
	Write PElash
	WITCHTHUSH
Flash PRCCN1:0000000	
Flash1 PROCON2:0000000	
Reading DFLASH	
Reading partition 1/2,Address 0xAFE00000,size 32768 Bytes	
Reading partition 2/2,Address 0xAFE10000,size 32768 Bytes	
File save path:C:/Program Files (x86)/AT200/temp/2020-3-19-16-19-57_TC1797_DFlash.bin	
Backup data successfully	
Connecting	
Connection succeed.	
chip:TC1797	
serial number:4180050902409c887408001011140000	
Hardware ID:019100002018000001c0530001c05500	
Hasho PROCONCONVOLUT	
Flash1 PROCON0:0000dfff	
Flash1 PROCON1:0000000	
Flash1 PROCON2:0000000	
Reading DFLASH	
Reading partition 1/2,Address 0xAFE00000,size 32768 Bytes	
24%	Back

Click "Backup Data" to back up the ECU data. After reading, please save the data for subsequent use.

3.8 Writing DFlash、PFlash

W BWW >> BOSCH MEVD17.2.0 TC1797_NS5/333		
Version:0008		Wiring diagram
		Identification
		Modify VIN
		Read ISN
		Write ISN
		Read DFlash
		Write DFlash
	E confirm X	Read PFlash
	Data is about to be written. This operation will overwrite the original data of the ECU. Please ensure that the data is backed up. Whether to continue? Ves No	Write PFlash
		Back

Take writing DFlash as an example

Click "write DFlash" to write the ECU data. Please make sure the data is backed up before writing. The restored data will overwrite the current ECU data. The data can be the data of the current ECU or other ECU of the same type.



Note: During the data recovery process, it is strictly forbidden to disconnect the power supply or disconnect the device, otherwise it may cause ECU damage; if the software is shut down unexpectedly or the computer is shut down or crashed unexpectedly during the data recovery process, please do not disconnect the power supply or device Connect for 15 minutes, and the device can complete data recovery independently.

4. B48/B58

FC200 currently supports the OBD reading ISN of BMW F020 and G series S15 models B48 and B58, and the platform SPC5777 chip and TC298 chip reading ISN and reading and writing EEPROM and FLASH.

4.1 OBD read ISN

4.1.1 Determine the type of ECU according to the model, and select the correct model, otherwise it will not operate normally. The following is described with B48.

☆ FC200			ECU - Search) a	L -		×
Brand	model		Engine-gearbox		_		_
Abarth	1 Series(E81)		120d xDrive B47D20A 190	-		Setting	9
Aebi	1 Series(E82)	Ε	120d xDrive N47D20C 184			Platfor	m
Alfa Romeo	1 Series(E87)	-	120i N13B16A 177			interest	
Artec	1 Series(E88)		125d B47D20B 224			OBD	
Aston	1 Series(F20)		125d N47D20D 218		Da	ta pro	
Aston Martin	1 Series(F21)		125i N20B20A 218				cess
Audi	2 Series(F22)		1998 B48B20A 184				
BMW	2 Series(F23)		3000 B58B30A 340				
Baic	2 Series(F45)		M 135i N55B30A 320				
Bentley	2 Series(F46)		M 135i N55B30A 326	=			
Bugatti	2 Series(F87)		M 135i xDrive N55B30A 320				
CASE	3 Series(E90)		M 135i xDrive N55B30A 326				
CASE Tractors	2 Cariac/E01)	Ŧ		*			
Can-Am	ECU						
Caterpillar	BMW MG1CS003 SPC5777						
Chang An							
Chery							
Chevrolet							
Chrysler							
Citroen					Во	sch Se	arch
DS							
Dacia					Firmv	/are up	ograde
Dallara					Check	k for u	pdates
Deutz							
Dodge						license	e
Ducati						help	
Whatsapp:+8613500065304/+86136	02538824 SN:110005AB Firmware version	n:00(07 Software version:1.0.0 Device activat	ion ti	me ren	naining	j:27

4.1.2 Identifying ECU

# BMW >> BMW_BOSCH_MG1CS003_B48/B58	- в ×
version:0005	Wiring diagram
OBD is connecting	
OBD KWP-CAN 500kbps connection successfully	Identification
VIN:WBATR9101JLC54774	
SVK 01 [2016/12/08]	Read ISN
HWEL_0000307E_003_019_011	
HWAP_00003083_255_255	Pecovery code
BTLD_00003084_000_001_032	
SWFL_00003081_080_021_002	
SWFK_000043EE_080_021_001	
UNKN_FFFFFF_255_255_255	
SVK 02 [2017/03/31]	
HWEL_0000307E_003_019_011	
HWAP_0003083_255_255_255	
BTLD_00003084_000_001_032	
SWFL_00003081_070_005_004	
SWFK_0000340D_070_005_004	
SVK 03 [2017/11/19]	
HWEL_000307E_003_019_011	
HWAP_00003083_255_255_255	
BTLD_00003084_000_001_032	
SWFL_00003081_070_005_004	
SWFK_000043EE_070_005_012	
SVR 04 [2016/12/08]	
HWEL 000307E 003 019 011	
HWAP_0000308_255_255_255	
BILD 00003084 000 001 032	
SWFL_0003081_080_021_002	
SW1K 000043EE 080 021 001	
SVK 05 (222/01/09)	
HWAP_0000301_00_255_255	
SWFK_000045EE_000_021_01	
	Back

4.1.3 Reading ISN



Click the "Read ISN" button to start reading the ISN. If it is the first reading, you need to program the ECU before reading. The programming time will take about 25 minutes, please be patient. Note: During the programming process, it is strictly forbidden to disconnect the power supply of the device or disconnect the device wiring, otherwise it may cause damage to the ECU; if the software is closed unexpectedly or the computer is shut down or crashed unexpectedly during data restore, please do not disconnect the device power or device connection On-line, hold for more than 25 minutes, the device can complete programming independently.

# BMW >> BMW_BOSCH_MG1C5003_B48/B58	- e ×
Conceptor Textmanus and Conceptor and Concep	Wiring diagram
The back successfully	Winny diagram
Tash is being erased	Identification
Frase Flask Successfully	Identification
Flash is being erased	Road JSN
Erase Flash successfully	Redu TSIN
The ECU is being programmed	Bacayany code
ECU programming succeed	Recovery code
Verifying Flashs	
Verify that Flash is correct	
The ECU is being programmed	
ECU programming succeed	
Ending programming ECU	
Security authentication is in progress	
Safety certification successfully	
Flash is being erased	
Erase Flash successfully	
The ECU is being programmed	
ECU programming succeed	
Verifying Flashs	
Verify that Flash is correct	
Ending programming ECU	
Prepare the programming ECU	
Security authentication is in progress	
Safety certification successfully	
Flash is being erased	
Erase Flash successfully	
The ECU is being programmed	
ECU programming succeed	
Vertying Hashs	
Verify that Hash is correct	
Flash is being erased	
Erase Plash successfully	
The ECU is being programmed	
EU programming succeed	
Verriging risks	
Verify strat lash is Context	
Ending programming ECU	
crowny programming CO	
Incarillà race"	
2%	Back

After the programming is completed, if there is a coding file before the ECU programming, the coding recovery will be performed automatically. After programming, the software starts to read data, as shown in the figure above.

Fish biog read * Wring diagram. * Fish biog read * Fish bisog read * <th>₩ BMW >> BMW_B0SCH_MG1CS003_B43/B58</th> <th>- 8 ×</th>	₩ BMW >> BMW_B0SCH_MG1CS003_B43/B58	- 8 ×
Ease Flain bacessfuly International Control Flain bain gread International Control Ease Flain bacessfuly Read 150 Ease Flain successfuly Read 150 Excert Flain bacessfuly Read 150 ECU bacegread Read 150 </td <td>Flash is being erased</td> <td>Wiring diagram</td>	Flash is being erased	Wiring diagram
Fish is being reased iduntification Fish is being reased Read ISN Fish is being reased R	Erase Flash successfully	Winnig diagram
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Ending programming ECU Ending programming ECU Reding data Reding d	Verify that Flash is correct	
Ending programming ECU Reading data Read data successfully	Ending programming ECU	
Reading data Read data successfully ISANG 2480704 2704 2705 592 0.05 692 0.05 692 0.05 70 70 70 70 70 70 70 70 70 70 70 70 70	Ending programming ECU	
Rad data succesfully	Reading data	
Back	Read data successfully	
T31N-0C2402V344ECETTV030DC70170D1920B090DBD7DC00720D7	ISN:8C24820944ECEFF0098DC78170BF828AB68EBAA7DCA72BD7	Back

Finish reading the ISN.

4.2 Read ISN on bench

4.2.1 Determine the type of ECU according to the model, and select the correct model, otherwise it will not operate normally. The wrong choice of the two types of chips will have no effect.



After selecting the correct ECU model, the "Platform" button will appear on the right. As shown in the figure above, click the "Platform" button to enter the ECU operation interface.

4.2.2 View wiring diagram



Click the "Wiring Diagram" button to view the ECU wiring diagram, connect the wiring harness correctly according to the wiring diagram, and connect with the device, plug in the device DC12V interface with 12V power supply.

4.2.3 Identifying the ECU



4.2.4 Reading ISN

version:0004 Connecting	
Connecting	
Connection susseed	Wiring diagram
connection succeed.	
CPU Type: SPC5777	Identification
CPUID:5777601148004D00	
Connecting	Read ISN
Connection succeed.	
CPU Type: SPC5777	Read EEPROM
Reading control 1/8 Address 0x00800000 size 65536 Butes	Read Flash
Reading partition 2/8 Address 0x00810000 size 65536 Bytes	
Reading partition 3/8 Address 0x00820000 size 65536 Bytes	Write FFPROM
Reading partition 4/8,Address 0x00830000,size 65536 Bytes	
Reading partition 5/8,Address 0x00840000,size 65536 Bytes	Write Flach
Reading partition 6/8,Address 0x00850000,size 65536 Bytes	Write Hash
Reading partition 7/8,Address 0x00860000,size 65536 Bytes	
Reading partition 8/8,Address 0x00870000,size 65536 Bytes	
ISN:1778844799A4D81914B6B7F7D7AD8608	
	Back

4.2.5 Reading EEPROM/Flash

Take reading EEPROM as an example

4.2.6 Writing EEPROM/Flash

Take reading EEPROM as an example.Make sure to save a copy of the original data before writing data

📸 BMW >> BMW MG	1CS003 SPC5777		æ	×
★ BMW >> BMW MG1 version:0004 Connecting Connection succeed. CPU Type: SPC5777 CPUID:5777601148004D00 Connection succeed. CPU Type: SPC5777 CPUID:5777601148004D00 Connection succeed. CPU Type: SPC5777 CPUID:5777601148004D00 Reading partition 1/8,Address Reading partition 2/8,Address Reading partition 3/8,Address Reading partition 5/8,Address Reading partition 6/8 Connecting Connection succeed CPU Type: SPC5777 CPUID:57776011480 Reading partition 1/8 Reading partition 1/8 Reading partition 1/8 Connection succeed CPU Type: SPC5777 CPUID:57776011480 Reading partition 1/8 Reading partition 3/8,Address Reading partition 3/8,Address Reading partition 3/8,Address Reading partition 5/8,Address Reading partition 5/8,Address Reading partition 5/8,Address Reading partition 7/8,Address Reading partition 8/8,Address	s 0x00800000,size 65536 Bytes s 0x00800000,size 65536 Bytes s 0x00820000,size 65536 Bytes s 0x00820000,size 65536 Bytes s 0x00840000,size 65536 Bytes c 0x00820000,size 65536 Bytes c 0x00820000,size 65536 Bytes s 0x00810000,size 65536 Bytes s 0x00810000,size 65536 Bytes s 0x00820000,size 65536 Bytes s 0x00820000,size 65536 Bytes s 0x00820000,size 65536 Bytes s 0x00850000,size 65536 Bytes s 0x00870000,size 65536 Bytes	- Wiring Identi Read Read Write Write	diagra ficatio d ISN EEPRO	x am M M
		в	ack	



Note: During the data recovery process, it is strictly forbidden to disconnect the power supply or disconnect the device, otherwise it may cause ECU damage; if the software is shut down unexpectedly or the computer is shut down or crashed unexpectedly during the data recovery process, please do not disconnect the power supply or device Connect for 15 minutes, and the device can complete data recovery independently.

5. 6HP

The FC200 currently supports the cloning of 6HP ECUs in BMW F-series (F01, F02, F03).

5.1 Determine the ECU type according to the vehicle model, and select the correct model, otherwise it will not operate normally.



After selecting the correct ECU model, the "Platform" button will appear on the right. As shown in the figure above, click the "Platform" button to enter the ECU operation interface.

5.2 View wiring diagram



Click the "Wiring Diagram" button to view the ECU wiring diagram, connect the wiring harness correctly according to the wiring diagram, and connect with the device, plug in the device DC12V interface with 12V power supply.

5.3 Identifying ECU



Click the "Identification" button to read the ECU related information, as shown above

5.4 Backup Data

# BMW >> CONTINENTAL 6HP TC1766	- е ×
version:0003	Wiring diagram
OBD is connecting	
OBD KWP-CAN 500kbps connection successfully	Identification
VIN:WBAKB41090CY49208	
OBD is connecting	Backup Data
OBD KWP-CAN 500kbps connection successfully	Backup Data
VIN:WBAKB41090CY49208	
Connecting to ECU	Restore Data
ECU connection success	
Detected TC1766 processor.	
Chip Info:TC1766	
Flash FSR:0000000	
Flash FCON:00060666	
Flash PROCON0:00000000	
Flash PROCON1:0000000	
Flash PROCON2:0000000	
Backup data	
Reading PFLASH	
Reading partition1/12,address0xA0000000,size16384 Bytes	
Reading partition2/12,address0xA0004000,size16384 Bytes	
Reading partition3/12,address0xA0008000.size16384 Bytes	
Reading partition4/12,address0xA000C000,size16384 Bytes	
Reading partition5/12,address0xA0010000,size16384 Bytes	
Reading partition6/12,address0xA0014000,size16384 Bytes	
Reading partition7/12,address0xA0018000,size16384 Bytes	
Reading partition8/12,address0xA001C000,size16384 Bytes	
Reading partition9/12,address0xA0020000,size131072 Bytes	
Reading partition10/12,address0xA0040000,size262144 Bytes	
Reading partition11/12,address0xA0080000,size524288 Bytes	
Reading partition12/12,address0xA0100000,size491520 Bytes	
Reading DFLASH	
Reading partition1/2,address0xAFE00000,size16384 Bytes	
Reading partition2/2,address0xAFE10000,size16384 Bytes	
100/	Back
100%	DBCK

Click "Backup Data" to back up the ECU data. After reading, please save the data for subsequent use.

5.5 Data Restore



Click "Restore Data" to write the ECU data. Please make sure the data is backed up before writing. The restored data will overwrite the current ECU data. The data can be the data of the current ECU or other ECUs of the same type.



Note: During the data restore process, it is strictly forbidden to disconnect the device from the power or disconnect the device; if the

software is unexpectedly shut down or the computer is shut down or crashed unexpectedly during the data recovery process, please do not disconnect the device power or the device connection for 15 minutes , The device can complete the data restore independently.

6. BOSCH BOOT(Boot)read and write data

6.1 The ECU type should be determined according to car type, and the model should be selected correctly, otherwise it can not operate normally.

☆ FC200	ECU - Search	Q - □ ×
Brand	ECU	
Lifan	BOSCH EDC17C41 TC1797	Setting
Lincoln	BOSCH EDC17C50 TC1797	Post
Luxgen	BOSCH MED17.2 TC1766	
Mahindra	BOSCH MED17.2 TC1796	Data process
Man	BOSCH MEV17.2 TC1766	
Maserati	BOSCH MEV17.2 TC1796	
Massey Ferguson	BOSCH MEV17.2.2 TC1767	
McLaren	BOSCH MEVD17.2.2 TC1797	
Mercedes	BOSCH MEVD17.2.3 TC1793	
Mini	BOSCH MEVD17.2.3 TC1793_B38	
Mitsubishi Fuso	BOSCH MEVD17.2.K TC1793	
New Holland	BOSCH MEVD17.2.K TC1793_B38	
Nissan		
Opel		
Peugeot		
Piaggio		
Polaris		
Porsche		
Renault		
Royal Enfield		Bosch Search
Saab		
Sea Doo		Firmware upgrade
Seat		Check for updates
Skoda		
Smart		license
Steyr		help
Whatsapp:+8613500065304/+8613	602538824 SN:110005BC Firmware version:0007 Software version:1.0.0 Devic	ce activation time remaining:30

After choosing correct ecu type, there will show a "Boot" button as shown picture above.

6.2 Check the diagram in software



6.3 Identify ECU

ersion:0007	which discuss
Connecting	wiring diagram
onnection succeed.	Identification
np:101/97 rial number:418089021800890b740800101114fc00	
ardware ID:00001820000091010053c00100000000	Read password
ash0 PROCON0:0000dfff	
ash0 PROCON2:00008020	Read ISN
ash1 PROCON0:0000000	Write ISNI
ash1 PROCON1:0000000	White 1314
	Modify VIN
	Read EEPROM
	Read FLASH
	Read Ext FLASH
	Write EEPROM
	Write FLASH
	Write Ext FLASH
	Read FLASH+EXT FL
	Write FLASH+EXT FL
	Back

6.4 Read password



Pop up option box when reading password and select correct type.

6.5 Read/write Pflash

☆ Mini >> BOSCH MEVD17.2	2.2 TC1797	– 8 ×
version:0007 Connecting Connection succeed. chip:TC1797 serial number:418089021800890b7400 Hardware ID:000018200000910100530 Flasho PROCCON0:00000fff	800101114fc00 c0010000000	Wiring diagram Identification Read password
Flash0 PROCONI2:00008020 Flash1 PROCONI:00000000 Flash1 PROCONI:00000000 Flash1 PROCONI:00000000		Read ISN Write ISN
Connecting Connection succeed. chip:TC1797 serial number:418089021800890b740	Please select a password. If you choose to enter manually, please enter 16 characters.	Modify VIN Read EEPROM
Hardware 10:00001820000091010053 Flash0 PROCON0:00000fff Flash0 PROCON1:00000000 Flash0 PROCON2:00008020 Flash1 PROCON0:00000000	 Automatic acquisition(Default) Manual input 	Read FLASH Read Ext FLASH
Flash1 PROCON1:00000000 Flash1 PROCON2:00000000	 Password or original file loading Next step 	Write EEPROM Write FLASH
		Write Ext FLASH
		Read FLASH+EXT FLASH Write FLASH+EXT FLASH
L		Back

When reading and writing flash, please select automatic acquisition first. If it is not successful, please try other input methods.

Please note : In the process of writing data, it is strictly forbidden to disconnect the power supply or the connection of the device; if the software is shut down or the computer is shut down or crashes unexpectedly in the process of writing data, please do not disconnect the power supply or the connection of the device, and keep it for 15 minutes, the device can complete the data recovery independently.

7. Volkswagen EGS read and write Flash on bench

FC-200 currently supports data reading and writing functions of DQ200 and VL381 transmissions of Audi and Volkswagen. DQ200 is taken as an example following.

7.1 The ECU type should be determined according to car type, and the model should be selected correctly, otherwise it can not operate normally.

☆ FC200		ECU 👻) a	- = ×
Brand	ECU					
Abarth	BOSCH MED17.1.21 TC1793				*	Setting
Aebi	BOSCH MED17.1.27 TC1793S					Platform
Alfa Romeo	BOSCH MED17.1.6 MASTER_SLAVE TC1797					Flationin
Artec	BOSCH MED17.1.6 SLAVE TC1797					Data process
Aston	BOSCH MED17.1.6 TC1797					
Aston Martin	BOSCH MED17.1.61 MASTER_SLAVE TC1793					
Audi	BOSCH MED17.1.61 MASTER_SLAVE TC1793S					
BMW	BOSCH MED17.1.61 TC1793S					
Baic	BOSCH MED17.1.62 TC1793S					
Bentley	BOSCH MED17.5 TC1766					
Bugatti	BOSCH MED17.5 ver2 TC1766					
CASE	BOSCH MED17.5.1 TC1796					
CASE Tractors	BOSCH MED17.5.2 TC1767					
Can-Am	BOSCH MED17.5.20 TC1766					
Caterpillar	BOSCH MED17.5.21 ver2 TC1782					
Chang An	BOSCH MED17.5.25 TC1782					
Chery	BOSCH MED17.5.5 TC1766					
Chevrolet	BOSCH MED17.5.5_TC1767					
Chrysler	VAG_TEMIC_DL382 TC1784				Ξ	
Citroen	VAG_TEMIC_DL501Gen1 TC1766					Bosch Search
DS	VAG_TEMIC_DL501Gen2 TC1784					
Dacia	VAG_TEMIC_DQ200-G2 TC1784					Firmware upgrade
Dallara	VAG_TEMIC_DQ200-MQB TC1766					Check for updates
Deutz	VAG_TEMIC_DQ200Dxx TC1766					
Dodge	VAG_TEMIC_DQ250-MQB TC1766					license
Ducati	VAG_TEMIC_VL381 TC1766				*	help
Whatsapp:+8613500065304/+86136	02538824 SN:110005AB Firmware version:000	7 Software	version:1.0.0	Device activati	on ti	me remaining:26

7.2 Check diagram

Audi >> VAG_TEMIC_DQ200-MQB TC1766 Wiring diagr Using standard cablages RED 12V Read Ext DFla BLACK GND YELLOW CAN-L Read PFlash GREEN CAN-H Write DFlash Write PFlash _ _ _ _ _ _ _ _ _

Connect cables well according software diagram

7.3 Identify ECU



After connecting to DQ200, the "identify" button will be grayed out. You can proceed to the next step. When you click "disconnect", you can identify again.

7.4 Read DFlash、EXT DFlash and PFlash

Take reading Dflash as an example:



7.5 Write DFlash、EXT DFlash and PFlash

Take writing EXT-DFlash as an example:



Back up original data before writing flash.

Please note : In the process of writing data, it is strictly forbidden to disconnect the power supply or the connection of the device; if the software is shut down or the computer is shut down or crashes unexpectedly in the process of writing data, please do not disconnect the power supply or the connection of the device, and keep it for 15 minutes, the device can complete the data recovery independently.

8. BOSCH ST10 series(Boot) read and write data

FC-200 currently support ME7.8.8 ECU data reading and writing function.

8.1 The ECU type should be determined according to car type, and the model should be selected correctly, otherwise it can not operate normally.

8.2 Check diagram

Connect the cables according to software diagram.

Note:Password reading is the password reading connection, and bootloader reading is the boot mode connection.

8.3 Identification

8.4 Read EEPROM and FLASH

8.5 Write EEPROM and FLASH

Please read the backup data before writing

Note: in the process of writing data, it is strictly forbidden to disconnect the power supply or the connection of the device; if the software is shut down or the computer is shut down or crashes unexpectedly in the process of writing data, please do not disconnect the power supply or the connection of the device, and keep it for 15 minutes. The device can recover the data independently.

9. MED17/EDC17 data process tool

FC200 currently support(Generation 4 and 5 anti theft of AUDI/SEAT/SKODA/VOLKSWAGEN)ECU data parsing and modification.

Support Bosch MED/EDC17series immo off.

Support the closing TPROT function of Bosch VAG MEDC17 series, BMW /

mini MEVD17 / EDC17 series, Hyundai / Kia EDC17 & MED (G) 17 series.

9.1 Choose AUDI/SEAT/SKODA/VOLKSWAGEN car type then enter data

process function

🕋 FC200		ECU 🝷 Search	Q - □ ×
Brand	ECU		
Abarth	BOSCH MED17.7.5 TC1793		Setting
Aebi			Data process
Alfa Romeo			
Artec			
Aston			
Aston Martin			
Audi			
BMW			
Baic			
Bentley			
Bugatti			
CASE			
CASE Tractors			
Can-Am			
Caterpillar			
Chang An			
Chery			
Chevrolet			
Chrysler			
Citroen			Bosch Search
DS			C
Dacia			Firmware upgrade
Dallara			Check for updates
Deutz			
Dodge			license
Ducati			help
Whatsapp:+8613500065304/+86136	602538824 SN:110005AB Firmware version:00	07 Software version:1.0.0	Device activation time remaining:26

9.2 Select operation type

Choose function need to be operated

MED17/EDC1	17 data process tool	- & ×
ECU type: VIN: Anti-theft:	Anti-theft type: CS: Status: New MAC: PIN:	Load DFlash(EEPRO M) file Load PFlash file Parse data
version:0002	Please select the operation type Anti theft data processing of Audi / siet / Skoda / Volkswagen MEDC17 anti theft system Turn Off TPROT Reset VAG Flash Counter Back	Save File
		Back

9.3 AUDI/SEAT/SKODA/VOLKSWAGEN anti-thief data process function

9.3.1 Load DFlash(EEPROM) and PFlash files

Load DFlash (EEPROM) and PFlash files respectively

🕋 Anti t	heft data proces	sing of Audi /	/ siet / Skoda / Vo	olkswa	gen	-	е,	ĸ
ECU type:		Anti-theft type:				Load DFI M	ash(EEPR) file	0
VIN:		CS:		Status:	New -	Load P	Flash file	
Anti-theft:		MAC:		PIN:		Pars	e data	
Version:000 Loading DFI Load path:C Load DFlash Loading PFI Load path:C 1/1/2020-4- Load PFlash	2 lash (EEPROM) C:/Users/Administrato h (EEPROM) successfu ash C:/Users/Administrato -8-14-13-7_33333333 n successfully	r/Desktop/FC200 illy r/Desktop/FC200 TC1797_PFlash.b) data/1/1/2020-4-8-1) data/ iin	4-6-29_T	C1797_DFlash.bin	Sav	e File	
						в	ack	

9.3.2 Parsing data

🕋 Anti t	heft data proces	sing of Audi ,	/ siet / Skoda / Vo	olkswa	gen	- 8	×
ECU type: VIN:	MED17 WCM7A34DC145868	Anti-theft type: CS:	generation anti-theft 8F2ACD35A05700	Status:	Matched 👻	Load DFlash(EEF M) file Load PFlash fil	PRO
Anti-theft:		MAC:	6EF79115	PIN:	42981	Parse data	Π
version:000 Loading DF Load path: Load DFlas Loading PF Load path: 1/1/2020-4 Load PFlas Parsing dat Parse data)2 Flash (EEPROM) C:/Users/Administrato h (EEPROM) successfu ilash C:/Users/Administrato -8-14-13-7_33333333 h successfully ta successfully	r/Desktop/FC20 ally r/Desktop/FC20 _TC1797_PFlash.b	0 data/1/1/2020-4-8-1 0 data/ bin	.4-6-29_1	TC1797_DFlash.bin	Save File	
						Back	

9.3.3 Modify the data and save the file

Anti theft data processing of Audi / siet / Skoda / Volkswagen							-	æ	×
ECU type: VIN: Anti-theft: version:000 Loading DF	MED17 WCM7A34DC145868 22 Flash (EEPROM) Cr(Users (Administrato	Anti-theft type: CS: MAC:	generation anti-theft 8F2ACD35A05700 11111111	Status: PIN: 4-6-29 T	Matched	Flash bin	Load DFI M Load P Pars Sav	ash(EEI) file Flash fi e data re File	PRO ile
Load DFlas Loading PF Load path: 1/1/2020-4 Load PFlas Parsing dat Parse data	c;/osers/Administrato h (EEPROM) successfu lash C:/Users/Administrato -8-14-13-7_33333333 h successfully ta successfully	r/Desktop/FC20 r/Desktop/FC20 _TC1797_PFlash.t	0 data/1/1/2020-4-6-1 0 data/ pin	4-0-29_1	(1/9/_0	riash.bin			
							в	ack	
									.:

9.4 MEDC17 anti-theft system function

9.4.1 Load PFLASH data

番 MEDC17 anti theft system	-	ð	×
version:0002 Load path:C;/Users/Administrator/Desktop/FC200 data/2/2020-4-8-14-13-7_TC1797_PFlash.bin loading data Data loaded successfully	Loading Turn off 7 Anti-T	9 Pflash the ME heft sys	file iDC1 tem
	E	3ack	
			.:

9.4.2 Turn off the MEDC17 anti-theft system and save file

A MEDC17 a	nti theft system	-	ъ×	\$
version:0002 Load path:C:/Use loading data Data loaded succ Turning off anti-t	Loading Turn off 7 Anti-T) Pflash file the MEDC heft system	;1 n	
Save			<u> </u>	X
	▶ • • • • • • • • • • • • • • • • • • •	77		9
组织 ▼			- (2
_ ∂ 音乐 ^	▲ 硬盘 (3)			-
🜏 家庭组	本地磁盘 (C:) 本地磁盘 (C:) 23.9 GB 可用,共 100 GB			
1 计算机	本地磁盘 (E:)			Ξ
▲ 本地磁盘 (C:) → 本地磁盘 (D:) ★ 地磁盘 (C:)	44.0 GB 可用,共 99.0 GB			
→ WPS网盘	DVD RW 驱动器 (F:)			
🗣 网络 👻	4 甘他 (1)			-
文件名(N): 2021	I-8-4-18-9-41_IMMO_OFF			•
保存类型(T): BIN	*.bin)			•
▲ 隐藏文件夹	保存(S)		取消]

9.5 Close TPROT

9.5.1 Select ECU type

Choose correct ECU type, currently support the Bosch VAG MEDC17 series, BMW / mini MEVD17 / EDC17 series, Hyundai / Kia EDC17 & MED (G) 17 series .

🐔 Turn Off TPROT			– & ×
ECU type: VIN: Anti-theft:	Anti-theft type: CS: MAC:	Status: New PIN:	Load DFlash(EEPRO M) file Load PFlash file Parse data
version:0002	lease select ECU type (BOSCH)VAG MEDC17 s (BOSCH)BMW/Mini MEVD17/E (BOSCH)Hyundai/Kia EDC17 _ME Back	series DC17 series D(G) 17 series	Save File
			Back

9.5.2 Load PFLASH data

A Turn Off TPROT	-	ð	×
version:0002 Load path:C:/Users/Administrator/Desktop/FC200 data/2/2020-4-8-14-13-7_TC1797_PFlash.bin loading data Data loaded successfully	Loading Turn o	Pflash	file DT
	в	ack	

9.5.3 Close TPROT and save the file.

	A Turn Off TPROT	-	ъ ×
	version:0002 Load path:C:/Users/Administrator/Desktop/FC200 data/2/2020-4-8-14-13-7_TC1797_PFlash.bin loading data Data loaded successfully Closing TPROT	Loading Turn o	Pflash file ff TPROT
Save	▼ 1 → 计算机 → ★ 4 / 投索 计算机		×
组织 ▼			, 🕐
	產組 ▲ 硬盘(3) 事机 本地磁盘(C:) 弊机 23.9 GB 可用, 共 100 GB 本地磁盘(C:) 19.8 GB 可用, 共 99.0 GB 本地磁盘(E:) 14.0 GB 可用, 共 99.0 GB *地磁盘(E:) 14.0 GB 可用, 共 99.0 GB * 中地磁盘(C:) 14.0 GB 可用, 共 99.0 GB * 中地磁盘(E:) 14.0 GB 可用, 共 99.0 GB * 和磁盘(E:) 14.0 GB 可用, 共 99.0 GB * 中地磁盘(E:) 14.0 GB 可用, 共 99.0 GB * 有可移动存储的设备(1) 14.0 GB ● ● ● <]	E
	文件名(N): 2021-8-4-18-13-33_TPROT_OFF		-
▲ 陰藏	保存类型(T): BIN(*.bin) 文件夹 (保存(S)	Ę)∭