

Product features

- 1. 2D menu, clear and easy to choose
- 2. Powerful search function
- 3. Convenient modification of ECU data
- 4. USB communication, with a speed more than three times that of Android devices, making it more stable
- 5. Easy to copy data
- 6. Support engine data validation function
- 7. Software download link: https://en.cnlaunch.com/download

PC Software Description

Firstly, connect the X-431 ECU&TCU Programmer to the computer. Then click to enter the software. The serial number will be automatically recognized from the X-431 ECU&TCU Programmer, and the activation code needs to be obtained from the envelope bar of the X-431 ECU&TCU Programmer. Click [Activate] to activate (only activate once, no need to activate again later), as shown in **Figure 1**. Without connection, you cannot access the software, as shown in **Figure 2**.

1		ch 🗸	Q Engli	ish 🗸 14N	~ -	- 🖂 🗙
Platform	Activate	Fitmware	Check for	_	, ×	? Help
Make					E	CU
Abarth Aebi Schmidt Agco	Serial Number	98770000003			TC17	724N
Agco Alfa Romeo Alpina Ariel Artec Aston Martin Audi BBW	Activation code					
BOBCAT Baic Bentley Bugatti Buick			激活			
CASE CASE Tractors CF Moto Cadillac Can-Am	~ <		>			_
Figure 1	v (·		ver	rsion:V10.02
of the second se						

1. ECU Data Reading/Writing

1.1 Obtain the related ECU

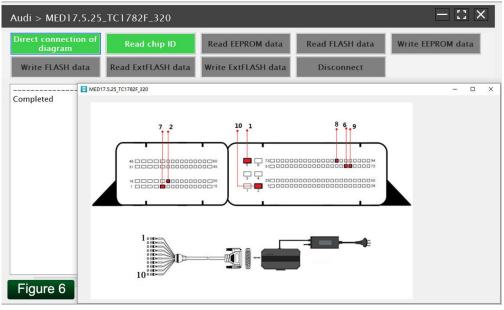
1.1.1 Method 1: Obtain the desired ECU type through brand > model > engine > ECU in turn, as shown in Figure 3.

X-431 ECU&TCU	Programmer Search	~	Q English	~ 14N ~	— :: ×
E Platform	Data Processing	Firmware upgrade	Check for updates	Log feedback	? Help
Make		Model	Engine		ECU
Aberth Aebi Schmidt Agco Alfa Romeo Alfa Romeo Ariel Ariel Ariel Aston Martin Audi BMW BOBCAT Baic Bentley Bugatti Buick CASE Tractors CF Moto Cadillac Can-Am	 BOO 200 500 Custom 595 Compet: 595C Turis: Grande Pun 	izione 2012- no 2013-2021	- 1400 T- JET 595 16 312. A1. 000 1400 160 312. A1. 000 1400 135 312. A3. 000 1400 135 312. A3. 000 1400 160 312. A3. 000 1400 160 312. A3. 000 1400 160 312. B3. 000 1400 165	0 ME17. 3. 0	TC1724N

1.1.2 Method 2: Query the desired ECU by entering a value in the search box, as shown in **Figure 4**. For example, search for the MED17.5.25 engine by Search, as shown in **Figure 5**.

2 X-431 ECU&TCU Programm	BOSCH number	Q English V	14N ~ — 🖸 X
Platform Data Pr	Search Firmware upgrade	Check for updates	eedback Help
Make	Model	Engine	ECU
Aberth Acbi Schmidt Agco Alfa Romeo Alpina Ariel Artec Acton Martin Audi BWW BOBCAT Baic Bentley Bugati Buick CASE Tractors CF Moto Cadillac Can-Am	500 2008-2021 500 Custom 2013-2021 595 Competizione 2012- 595C Turismo 2013-2021 Grande Punto 2007-2009 < ▲ ▲ ▲ ▲ ▲		ME17. 3. 0_TC1724N
X-431 ECU&TCU Programm	ner Search ∨ med17.5.25	Q English V	14N ~ — [] ×
		8	
Platform Data Pr	Firmware ocessing upgrade	Check for updates Log f	eedback Help
Platform Data Pr Make			eedback Help
	ocessing upgrade	updates Log f	

1.2 Click [Direct Connection Diagram] to obtain the ECU connection diagram, as shown in Figure 6.



1.3 Connection: connect the ECU and PCBOX according to the information provided in the connection diagram. The physical connection diagram of MED17.5.25 (using the BENCH mode line) is shown in **Figure 7**, and the physical connection diagram using the gearbox adapter is shown in **Figure 8**.



1.4 Read the chip ID, as shown in Figure 9.

Audi > MEI	D17. 5. 25_TC1782F_32	0		I
		chip ID Read EEPROM	data Read FLASH data	Write EEPROM data
Securely log		2000000 Size 0x0004000 0x0004000 0x0004000 0x0004000 0x0004000 0x0004000 0x0004000 0x0004000 0x0004000 0x00040000 0x0040000 0x0040000 0x0040000 0x0040000 0x0040000 0x0040000 0x0040000 0x0040000 0x0040000 0x0040000 0x0040000 0x0040000 0x0040000 0x0040000		×
Figure	9	100%		

1.5 Back up the EEPROM data and save it, as shown in Figure 10 (the figure shows the save page of the read data).

View Wirin	ng Diagram	Read chip ID Read EEPROM data Read FLASH data	Write EE	EPROM data	
Write FL	ASH data	Discon 另存为 ← → → ↑ 🔒 ≪ 防盗病保険 new → bin → Release → Data			
07 08	0xA0018000 0xA001C000	← → ↑ ↑ • K725時程碑_new > bin > Release > Data 组织 ▼ 新建文件类	♥♥♥₽	在 Data 中搜索	(
09 10 11 12 13 14 15 16 17 18 EEPROM Sector 01 02	0xA0020000 0xA0040000 0xA0050000 0xA0100000 0xA0140000 0xA0180000 0xA0120000 0xA0240000 Addr 0xAFE00000 0xAFE10000	Release 会像 世世語 一世生語 10 573余 一世生活 10 573余 一世生活 10 573余 一世生活 11 0 573余 一世生活 12 0 573余 一世生活 13 0 573余 一世生活 14 0 50050102035774710001011054700 日におおした 15 0 573 一世生活 15 0 573 日生活	0410192533.bin 0410201859.bin 0411094040.bin 0411100355.bin 10202004.bin 11100609.bin 11102004.bin 1111258.bin	博沈日期 2023/4/10 19:26 2023/4/10 19:26 2023/4/10 20:19 2023/4/11 0:03 2023/4/11 0:03 2023/4/11 10:06 2023/4/11 10:06 2023/4/11 10:20 2023/4/11 11:13 2023/4/11 11:14	BIT BIT BIT BIT BIT BIT BIT BIT
Securely los Reading EEP Read Sector Read Sector Reading	gging in ROM, progress: 01/02, Addr:0xAFI 02/02, Addr:0xAFI ile, please wai	PROM data 文件名(M): MED17.5.25_438003040760D6790C0C002022000000_EEPROM_202304121018 保存典型①: .bin 000000, Siz 100000, Siz		(R77(5)	¥

1.6 Back up the FLASH data and save it, as shown in Figure 11 (the figure shows the process of reading FLASH data).

Audi > MED17.5.25_TC1782F_320			
View Wiring Diagram Read chip ID Re	ad EEPROM data	Read FLASH data	Write EEPROM data
Write FLASH data Disconnect			
02 0xAFE10000 0x00010000			^
D. I. DDDDOV. J.			
Read EEPROM data			
Reading EEPROM, progress:			
Read Sector01/02, Addr: 0xAFE00000, Size: 0x00010000	Success		
Read Sector02/02, Addr: 0xAFE10000, Size: 0x00010000	Success		
Reading			
Uploading file, please wait Successfully read data			
E:\ \20230321PCSoft\20230325.net framwork\防盗编	程器 new\bin\Release	Data	
\MED17. 5. 25_438003040760D6790C0C002022000000_EEPROM_2			
Successfully read data			
Securely logging in			
Reading FLASH data, please wait			
Read Sector01/18, Addr: 0xA0000000, Size: 0x00004000	Success		
Read Sector02/18, Addr: 0xA0004000, Size: 0x00004000	Success		
Read Sector03/18, Addr: 0xA0008000, Size: 0x00004000	Success		
Read Sector04/18, Addr:0xA000C000, Size:0x00004000 Read Sector05/18, Addr:0xA0010000, Size:0x00004000	Success		
Read Sector06/18, Addr: 0xA0014000, Size: 0x00004000	Success		
Read Sector07/18, Addr: 0xA0018000, Size: 0x00004000	Success		
Read Sector08/18, Addr: 0xA001C000, Size: 0x00004000	Success		
Read Sector09/18, Addr:0xA0020000, Size:0x00020000	Success		*
	12%		
Figure 11			

1.7 Restore EEPROM/FLASH data, as shown in Figure 12 (the figure shows the file selection page).

View Wiring Diagram Read chip ID Read E	
Write FLASH data Disconnect	EPROM data Read FLASH data Write EEPROM data
Read Sector02/02, Addr:0xAFE10000, Size:0x00010000 Si Reading Uploading file, please wait Successfully read data 	
Read Sector02/18, Addr:0xA0004000, Size:0x00004000 S Read Sector03/18, Addr:0xA0006000, Size:0x00004000 S Read Sector04/18, Addr:0xA0000000, Size:0x00004000 S Read Sector05/18, Addr:0xA0010000, Size:0x00004000 S Read Sector05/18, Addr:0xA0010000, Size:0x00004000 S Read Sector06/18, Addr:0xA0010000, Size:0x00004000 S Read Sector06/18, Addr:0xA0010000, Size:0x00004000 S Read Sector07/18, Addr:0xA0010000, Size:0x00004000 S Read Sector07/18, Addr:0xA0010000, Size:0x00004000 S	uccess ucces uccess uccess ucces u

2. Data Processing

2.1 Click the [Data Processing] button on the main page, as shown in **Figure 13**, and select [IMMO Off and File Verification] ([DTC Shield] is not currently supported), as shown in **Figure 14**.

🖁 Anti theft programmer	ecu 🗸 Q	Chinese 🗸	14Numb er	
Platform Proce	Firmware Upgrade	Check for updates Lo	g feedback	? Help
Brand	Mode1	Engine		ECU
Aborth Action Aborth Action Aborth Action Alpina Ariel Artec Aston Martin Audi BMW BOBCAT Baic Bentley Bugatti Buick CASE CASE Tractors CF Moto Cadillac Can-Am Y	500 2008-2021 500 Custom 2013-2021 595 Competizione 2012 595C Turismo 2013-2021 Grande Punto 2007-2009		ME17.3.0	TC1724N
Figure 13				
2 X-431 ECU&TCU Programme	er Search V	Q English V	14N ~	— :: ×
X-431 ECU&TCU Programme	Firmware	Check for	14N V	- :: × ? Help
P S	Firmware	Check for	1 0	?
Platform Data Pro	cessing	Check for updates	1 0	Help ECU

2.2 File verification and IMMO off (process: select file > connect network to obtain > save file), as shown in Figure 15.

Immobilizer shutoff and	file checkout	$ \square$ \times
MEDC17 EEPROM MED immobilizer	C17 EEPROM file MEDC17 FLASH MEDC17 FLASH file checkout immobilizer checkout	
MEDC1 For VW AUDI engine ECU, plea shutdown. Please load the EEPROM file of	Z EEPROM immobilizer_shutdown ョ 打开 ← → ◇ ↑ □ → 此規範 → 欽件 (D;) → Program Files (x86) → YCGIII-PC → Data → ↓ 2	へ × か を た Data 中腹索
	 ・ 新建文件共 ・ 新建文件共 ・ かく気体用気 ・ かく気体用気 ・ かく気体用気 ・ かく気体用気 ・ かく気体用気 ・ かく気体用していたり、 ・ かく気体用していたり、 ・ かく気体用していたり、 ・ かく気体用していたり、 ・ かくしたり、 ・ かくしたり、<th>Z.bin 2023/6/29 7:1 1.bin 2023/6/29 17:0 2.bin 2023/6/29 17:0 2.bin 2023/6/29 17:0 9.bin 2023/6/29 16:5</th>	Z.bin 2023/6/29 7:1 1.bin 2023/6/29 17:0 2.bin 2023/6/29 17:0 2.bin 2023/6/29 17:0 9.bin 2023/6/29 16:5
Figure 15	 ● の目的 (1) ● 家田AULT-7DCT300 FULDATA_00000000000000000000000000000000000	6.bin 2023/6/29 16:4