## Intro

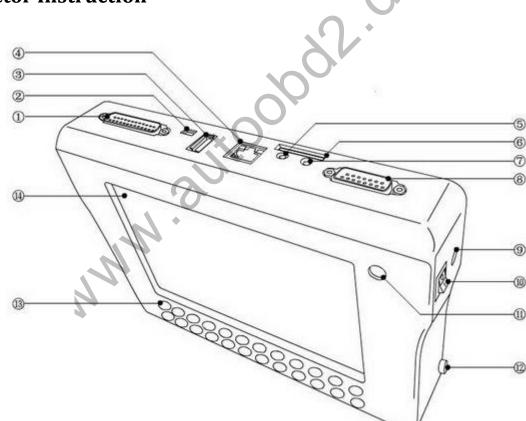


## **1.Feature and Function**

DigiMaster-III is the third generation multi-functional Automobile data adjusting equipment developed by Nanning Yanhua Electronics Co.,Ltd. It bases on a high performance hardware platform which takes high-speed CPLD and the ARM11 processor as the core device. Seven inch LCD touch-screen with high resolution makes its interface easy-used. Working with various types of adapter you can easily achieve odometer correctioni¢Audio decodingiøairbag resettingiøengine ECU resettingiøIMMO, programming key for Benz and BMW etc. It is applicative for all types of data processing such as OBD connection, dashboard soldering, CAS-BDM.

It contains the advanced technology of programming new keys for BMW and Benz, CAS-BDM reading/writing and resetting, 35080V6 erasure etc. The operation interface is highly user friendly, large numbers of pictures and particular description makes your operation pleasant. Online updating and module authorization keeps you always on the leading edge of technology.

#### **2.Connector Instruction**



1	25 Pin adapter connector	8	15 Pin adapter connector
2	Mini USB Connector	9	Power adapter
3	USB Mouse Connector	10	switch
4	RJ45 LAN Connector	11	Power Indicator Light
5	Earphone Connector	12	Touch-Pen Connector
6	SD Card Connector	13	Keyboard
7	Microphone Connector	14	7 Inch LCD Touch-screen

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1 ) + si i) + e = h		
Keystoke	Function Instruction	
F1	Backspace	
keyboard	open/close soft-keyboard	
ESC	ESC	
ОК	Enter	

The device will become Dormancy with black screen if no operation after XX minutes. Please click the screen to active it.

## **3.Adapter List**

Product Name
OBP Adapter
ICP Adapter
NEC Adapter
NEC 14-PIN cable
W203/W220 Adapter
TMS370 Programmer
MCU Adapter
K&CAN Adapter
CAN-OBD DMI
VW AUDI OBDII
BENZ 38PIN
BENZ OBD
BMW E36
BMW E36 Meter Socket Connecting Cable
BMW E38/39
BENZ 95S
JAGUAR11DU
C/E CLASS
Ford Ranger
9S12 Adapter
Lexus LS400 Adapter
Grand Cherokee Adapter
W211 Adapter

E65/E66 Adapter
CAN&BDM Programmer
BMW CAN Adapter
MC705-PROG Adapter
MC711-PROG Adapter
NEC KEY
MC705E6
CAS OBD II
NXP
IAR key
ESL
29FXX

## **Software Instrallation**

This section will show you how to install software of DigiMasterIII as well as how to connect it with your PC.

#### **1.Installing D3 Tool**

Setp 1: Double-click the installation files in the CD.

Step 2: Choose the route of Installation



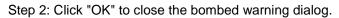
Step 3: Open the software interface as below after installation

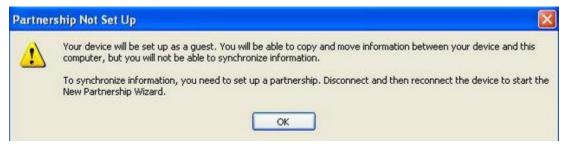


## 2.Connect the D3 with PC and internet

Step 1: Connect the D3 USB with PC. Click "Cancel" after the window bombed as below.

New Partnership	
	<ul> <li>Set Up a Partnership</li> <li>Before you can synchronize information between your mobile device and this computer, you must set up a partnership between them.</li> <li>Would you like to set up a partnership?</li> <li>Yes</li> <li>Set up a partnership so that I can synchronize information between my device and this computer.</li> <li>No</li> <li>I don't want to synchronize information. Set up my device as a guest so that I can copy or move information between my device and this computer.</li> </ul>
	< Back Next > Cancel Help





Nicrosoft ActiveSync	
File View Tools Help	×
💿 Sync 🕑 Schedule 🔯 Explore	
Guest	
Connected	Y
	Hide Details 🗙
Information Type Status	

Step 4; Just reconnect the USB cable if the USB connecting is cut showed as below window.

Microsoft ActiveSync	
File View Tools Help	
🔕 Sync 🕒 Schedule 🔯 Explore	
No partnerships	0
Not connected	Hide Details 🛠
Information Type Status	
NN N	

MInsert the connector of LAN cable into RJ45 LAN connector of D3 to make online update.

#### **3.Remote Assistance**

Our engineers will provide you on-line technology support via internet when you choose long-distance assistance function.

Step 1: Please contact the Sales from my company to obtain an IP before the Remote Assistance. Then connect your D3 with internet.

Step 2: Open D3 Tool software to enter"Remote Assistance", then choose "Require Remote Assistance".



Step 3: Input the obtained IP and click "OK" in the bombed window  $_{i}\pounds$ 

💦 Remote Assistance: 🖔 Bac	:k
Set IP Remote Assistance Request Remote Control	Start Assistance
	Peer Address: 180.136.156.186
	opdik
🟠 Homepage	璓 Back 🏼 🗊 Remote service 🛛 🕜 Directions

## **4.Kernel renovation**

Please don't try easily because Kernel Renovation being hazardous. Normally it is used on the useless because of the lose of kernel.

Step 1; Click keystoke "8" and "OK" together, then power on. The indication of "Press OK to continue and ESC to cancel" will appear on the screen. Press "OK" into Renovation. Step 2: "Found new hardware" is found in the system when you connect USB cable with the PC.

Found New Hardware Wizard
This wizard helps you install software for:   SEC S3C6410X Test B/D   If your hardware came with an installation CD or floppy disk, insert it now. What do you want the wizard to do? Install the software automatically (Recommended) Install from a list or specific location (Advanced) Click Next to continue.
< Back Next > Cancel
Step 3: Choose " Install software automatically", Click "next".

Step 4: Running D3 tool software, choose "KERNEL update"

Step 5: Indication "USB connect successfully" will appear as below after the USB is connected.

🎬 YhTech VINCE Kernel Update Tool	
User Notes: Before updating,please set to update mode, and then press "1" key and "OK" key simultaneously to enter	Kernel Update
USB connect failed	Quit
System update tip:	Guit
Ver:1.0.1010.0	

Step 6: Click "KernelUpdate", choose kernel files, then click "OK" to start renovation.

Step 7: Several minutes is need for kernel renovation. It is finished when the indication of "USB connect failed" appear.

# **Easy Operation Manual**

Helping you checking accessories £¬ complete the activation £¬ authorization and updating.



## **1.Activation**

Digimaster-III need to be activated on line with the Activation code provided by us in the first using. You can activate and recharge Digimaster-III by the following steps.

Step 1: Power on and connect the D3 with internet. The unactivated £DD3 show as below. Click "OK" to start activation.



Step 2: Input the validation code in the left dialog, Click "next" to download update programme and management programme.

Update Device Files																
Tip:						ace	P		14							
Connecting server(sale.autoer	master.com	m)	u h	Verify Code		Venity Code:		ry Code:		QFTE						
Connect server(sale.autoema	ster.com)	succ	eed	F	qfre			See	clearl	y						
	Inpu	t Pan	el											×		
	Inpu	t Pan 1	el 2	3	4	5	6	7	8	9	0	-	=	BS		
	Inpu ` Tab	t Pan 1 9	1 constant	3 e	4 r	5 t	6 y	7 u	8 i	9	0 P	- [	=	BS \		
Release ver: 1.5.1012.4	•	1	2		4 r	-		ŕ	8 i k		-	- [	]	BS \		
Release ver: 1.5.1012.4	` Tab	1 q	2 w	e	4 r f v	t	y	u	i		р	- [ up	]	BS 1		

Step 3: Activation window will appear after downloading Management programme. Please input your information

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FECH WAN	4900 INVATION	Dig	ŋiN	Ла	S	te	r_	3									
	ip: Checkin Operatir	er Register Customer in Cey information (Re) Company name: Consignee: Contact Address:	tuired); lasd nanjin;		5				*(Allor *(Allor *(Allor	ws 1-5	io let						
		Telephone:	-	Inpu	t Pan	el			(1-110		.00 K						×
1	Operatir	Other Info(Choose 1	Aura includes a surgery of	•	1	2	3	4	5	6	7	8	9	0	-	=	BS
		Fmail	[	Tab	q	w	е	r	t	y	u	i	0	р	]	]	1
/ F	Release			Caps Lock	a	s	d	f	g	h	j	k	1	;	•	re	turn
				Shift	z	x	с	۷	b	n	m	1	•	1	up		pgup
				Ctrl	win	Alt						ins	del	lt	dn	rt	pgdn

Step4 Enter the activation code and password provided by sales then click "next".

Device Register		
īp:	ID: r7434B	9397148
hecking device	Password: ******	ekok
Operating	Passworu.	
Device not activated		
Device remain point: 0		
Device check ok		
Start device register		
Dperating		

## 2.Paymemt

Step 1: Recharge dialog will appear after D3 activation in the first use. If no, click "Payment" in "management center" to start recharging.

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🗸 Re	echarge & A	ccount	center:		20		
	Authorise		Payment	<b>S</b>	Module price list	*	Remote Assistance
				)			

Step 2: Input the Recharging code and password provide by the sales. Click "Next".

	Charge Points														
						ID:	6	72600	00828	997		_			
Rechard	Device remain point: 338 Device check ok			~		sword	1	kokokoko			_	_			
	Device register check Device register OK														
Aut Aut	Start downloading device file														
	Downloading device file(1/1)	Innu	t Pan	el <sup>de</sup>											
👗 Help Ce	Device file update ok		1	2	3	4	5	6	7	8	9	0	-	=	BS
💊 Up-		Tab	q	w	e	r	t	y	u	i	0	p	]	]	1
-	Release ver: 1.5.1012.4	Caps Lock	a	s	d	f	g	h	j	k	1	;	'	rel	turn
2		Shift	z	x	с	٧	b	n	m	,		1	up		pgup
	🗟 Homepage 🛛 🐬 B	Ctrl	win	AR		-	-		-	ins	del	lt	dn	rt	pgdn

Step 3; Click "Finish" to finish the recharging after reminding of successful Payment appear.

## 3.Upgrade

We provide frequent upgrade of software & hardware programme, new vehicle models or amend hole in order to improve the functions of Digimaster-III. Please note the upgrade affiche in our website http://www.autoemaster.com/en/

Step 1; Click "Software upgrade" to find new upgrade. Input the Validation code in the dialog to start download and upgrade.

🗼 Digimaster II	I Instruction: 🖔	Back		
	Key Register	🗾 Key List	YH Key Information	

Step 2; It will remind you whether you need adapter upgrade after software update. Click "YES" to start adapter upgrade; Click "NO" to next step.( No need to upgrade adapter frequently)

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adapter,

Step 3; Enter the verify code and click next The D3 will restart automaticlly after software upgrade.

		Up	date	Dev	rice F	iles									
			o: Innec	ting :	serve	r(sak	e.auto				 cceed		(erify )	Code:	D 4 Z X See clearly
Input	t Pan	el	_										×	1	
•	1	2	3	4	5	6	7	8	9	0	-	=	BS		
Tab	q	w	е	r	t	y	u	i	0	р	]	]	1	Next step	Exit
10000					-	L	i	k	1	;	1	1		12	
Caps Lock	а	S	d	†	g	h	J	ĸ	100	1	0.5	re	turn		

# **Operation sample**

In This section, we use a specific car as an example to elucidate the entire proceeding of odometer correction?Audio decoding?airbag resetting?Controlling ECU resetting?IMMO, programming key for Benz and BMW etc.

#### 1.Programmer



## **1.1 Files Operation**

You will find the following interface during many operations (IC programming, CPU programming, Odometer adjusting, Audio decoding). It show the current data read from the IC by HEX format. You can adjust or save the data in this interface.

HEX address is in the left column. Data area is in the right column. Data ASCII display is in the bottom when you move the scroll bar.

Read Da			9. Year and the second s								
000000	00 FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF			
000010	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF			
000020	FF FF	FF FF	FF FF	DEFB	DEFB	DEFB	DEFB	DEFB			
000030	DEFB	DEFB	FF FF	FF FF	00 00	FF FF	FF FF	FF FF			
000040										•	
000050											
000060										- 64	
000070										. 1	
000080										•	
000090										0	
0000A0										•	<u> </u>
0000B0	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	•	•	
×								_		5	P F F

item	function
ReadData	Read data from device
SaveData	Save data file to SD card
WriteData	Write data into device
DackData	Import data to device
ModifyData	shift to modify modle
Close	<ul> <li>Exit</li> </ul>

Fill 📢	Write Data	a 🔹 🔁 Veri	ify chip 🔹	Reflu	sh 🔹	<b>i</b> nc	opy	. 6	Past	e 📭	<b>ý</b> Ur	ido 🔹	-	Quit		,	
000000	1234	FF FF	FF FF	FF F	FF	FF	FI	FFI	FF	FF	FF	FF	FF		4		
000010	FF FF	FF FF	FF FF	FF F	FF	FF	FI	FFI	FF	FF	FF	FF	FF				
000020																	
000030	<b>R</b> EFB	DEFB	FF FF	FF F	F 0	00	0	FFI	FF	FF	FF	FF	FF				
000040	ÉFBD	EFBD	EFBD	EFB	DD	7F	FI	)71	FF	D7	FF	D7	'FF				
000050	FF FF	FF FF	FF FF	FFF	FF	FF	FI	FFI	FF	FF	FF	FF	FF	-			
000060																	
000070	D2A3	AF7B	8078	3CA	E D t Pan	n <b>∩∧</b> el	31		7R	RU	7Q	30	'4F	I.		ļ	×
000080					1	2	3	4	5	6	7	8	9	0		=	BS
000090				Tab	q	w	e	r	t	у	u	i	0	р	[	]	1
0000A0				Caps Lock	a	s	d	f	g	h	j	k	1	;	1	re	turn
0000B0	FF FF	FF FF	FF FF	Shift	z	x	с	۷	b	n	m	1		1	up		pgup
3				Ctrl	win	Alt	a, a					ins	del	lt	dn	rt	pgdn

item	function
Fill	Fill a section address with data
WriteData	Write data into device
VerifyChip	Verify data to find if WriteData successful
Reflush	Reflush device with all FF
Сору	Copy a slice of data
Paste	Paste data
Undo	Cancel the previous action
Quit	Return to data interface

# 1.2 IC Programming

Step 1: Connect the chip De-solder or link the chip to the OBP adapter according to the instruction.

which autoobar

ial serie	S						
24C01	24C64	25170	89102	93LC46	95320	CXK1011P	non-standard 93C46
24C01A	24C128	25320	93C06	93LC56	95P01	D6253	M35080 Series
24C02	24C256	25640	93C14	93LC66	95P02	D6254	B58(BOSCH)
24C02A	25010	3132	93C46	93LC86	95P04	S130	
24C04	25020	35080	93C56	95010	95P08	S220	
24C08	25040	59C11	93065	95020	97101	ST14771	
24C16	25043	68343	93C76	95040	X5043	PDH004	
24C17	25045	85C72	93C86	95080	X5045	X25043	
24C32	25080	85C82	93CS56	95128	C46M6	B58252	

Step 2: Choose the corresponding chip in this interface to begin read or program the chip.

Read Da	ta 💿 📕 Sa	ve Data 🔸	🖋 Write D	ata 🔹 💦 B	ack Data	Modif	y data 🕴 🄇	Close			
000000	00 FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF			•
000010	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF			
000020	FF FF	FF FF	FF FF	DEFB	DEFB	DEFB	DEFB	DEFB			
000030	DEFB	DEFB	FF FF	FF FF	00 00	FF FF	FF FF	FF FF			
000040	EFBD	EFBD	EFBD	EFBD	D7 FF	D7 FF	D7 FF	D7 FF			
000050	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF			
000060	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF		- 64 - A	
000070	D2A3	AF7B	8078	3C4F	D2A3	AF7B	8078	3C4F	-	. 1	
000080	FF FF	FF FF	0D80	7200	0D81	7100	0D82	7000	•		
000090	0D83	6F00	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	•	0	
0000A0	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF			
0000B0	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	•		-
×										*	11

## 1.3 CPU Programming

Step 1: Connect the chip De-solder or link the chip to the OBP adapter according to the instruction.

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Next Wiring Diagram		×O	0	
	LICONCETTS SECONCETTS SECONCETTS SECONCETTS	30		
	7			

Step 2: Choose the corresponding chip in this interface to begin read or program the chip.

Read Da	ta 🔹 🛄 Sa	ve Data 🖣	Rack Da	ata • 🍣 M	lodify data	• Clos	e					
000000	1234	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF		4		~
000010	1235	2420	1010	1251	4010	1FFF	FF F0	10 FF		5	\$	
000020	FF FF	FF FF	FF FF	FF FF	FF F1	0101	OF FO	FF FF	-			
000030	FAAA	AAAA	AA FO	FF FF	FF FF	FF FF	FF FF	FF B7	×			
000040	00 00	18B7	00 00	18B1	00 00	18B7	00 00	001D				
000050	E6 00	0000	00 00	00 00	00 00	00 00	00 00	00 00				
000060	00 00	0000	00 00	00 00	00 00	00 00	00 00	00 00				
000070	00 00	0000	00 00	00 00	00 00	00 00	00 00	00 00	÷			
000080	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF				
000090	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF				
0000A0	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	×			
0000B0	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF 00				*
1											*	

## **1.4 Signal Generator**

Frequency signal generator can generate the specified speed signal, connect to the signal pin in the odometer and then used to run the odometer.

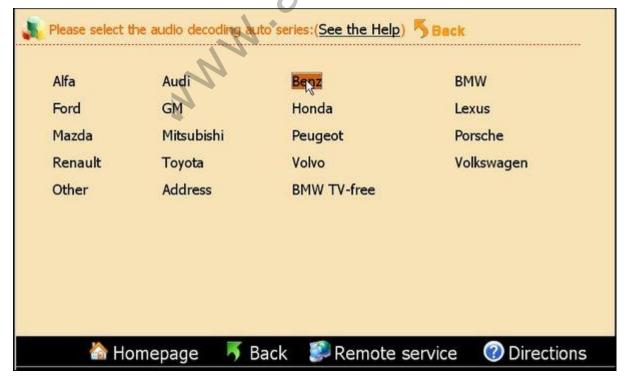
## 2.Audio decoding

When the vehicle audio was power off because of buttery damage, the audio will start the anti-theft system automatically. Digimaster III can calculate the audio code out or initialize the it.

Jue out c



Step 1: De-solder the corresponding chip according to the software prompts. Click "Next" to begin decoding.



Step 2: Please remember the code in the pop-up dialogue box, click"Next", the code was written in the chip.

Modify of	ata 🔹 👼 Transfer	Code 🔹 🔡 Sa	ave Data 🔹	Close	8						
000000	8 <mark>9 A8 8F E</mark>	8 94 70	9470	8E 30	8E 30	17 BB	1C20	<u>.</u>	×		~
000010	FF FF FF F	F FF FF	FF FF	FF FF	FF FF	FF FF	FF FF				
000020	FF FF YanHi	ia Auto Mastei	. Series	_	_	-	📼 FF			N8 1	8
000030	FF FF The o	currently selec	ted transfe	r docume	nts are:		FF			340 - A	
000040	COOO Benz	BE1130-2412	1.YH		^	INext		) .		•	
000050	00 00						00				
000060	00 00				~	Cancel	00			. (	
000070	0000 Soun	d Code				Decelect	FF				
000080	FF FF 2412	1				Reselect	- FF	•			
000090	00 00 00 0	0 8E B8	BA8E	B8BA	00 AA	8E B8	<b>BA00</b>				
0000A0	AAAA 424	5 43 4B	4552	5F4D	4A39	34 5F	45 52			BB	
0000B0	53 57 OB 1	2 2A04	00 00	00 00	00 00	00 00	00 00	S	W	. e.	*
											12.2

Step 3: Solder the chip back to the board, and then use this new code to decode the audio.

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#### 2.3 Address Code

These models only need to short-circuit some welding spot to reset the code, the software will give a specific method.

## **3.Meter System**



To make sure the data was safe, please save the original data before change it by yourself.

Step 1: Click on "Odo adjuster" on the homepage, and then choose the car model of the odometer. For example: American vehicles- Chrysler.

Chrysler:(See the Help)	Back	
300C	98 Cherokee C56	Neon
300M	Dodge Ram C46	Dodge
Aveo	Herdsmen(Wrangler)	300MK
Sebring	Crossfire C66	Cherokee
03 Ram	PT Cruiser	Stratus
99-2001 Grand Cherokee	RL76 Cherokee	Liberty
After 2002 Grand Cherokee	Voyager	2007 Voyager
2005 Grand Cherokee C86	Grand Voyager	
🟠 Homepage	璓 Back 🛛 💈 Remo	te service 🛛 🕜 Directions

Step 2: Take Dodge Ram for example, de-solder the memory chip on the odometer board, and solder the chip to the OBP adapter.

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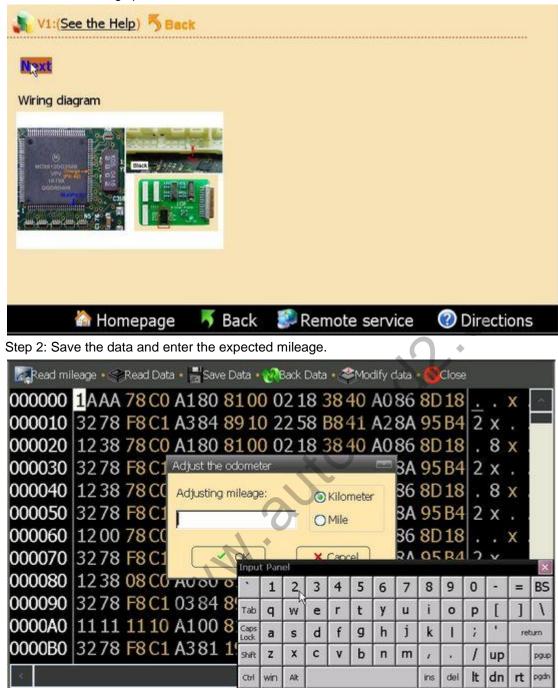
Step 3: Save the data and enter the expected mileage.

Read miles	age 🔹 🔡	Save Data	Back	Data 🍇	Modif	y data 🍝	Clo	ose						
000000	FFF	FF FF	FF FF	FF FF	BAF	C FF	FF I	BAFO	FF	FF				
000010 E											1.7			
000020 F			CHARGE STREET, STRE	100		F FF	FF	FF FF	FF	FF				
000030 F						_	4	FF			1 ° °			•
000040 F			Adjusting	mileage:		🔘 Kilo	meter		FF					÷
000050 F			12			OMile	•		FF		9			÷
000060 F			_		C	1			FF		ч.		3	8
000070	DED6	9521		Кок	L	× Can	cel	FF	FF	FF	•			•
														_
240														

Step 4: After it prompted succeed, click on "Exit". Solder the chip back to the odometer.

#### 3.3 ICP Adjusting

Step 1: Take American vehicles- Chrysler- 300K for example: Choose "Program BCM module", solder the wires to the welding spot of the odometer, then click"Next"



Step 3: After it prompted succeed, click on "close". De-solder the wires off the odometer.

#### 3.4 OBD Adjusting

Step 1: Take European Vehicles- VW for example, choose "Diagnosis". In this page it list all the models that can be adjusted via OBD way, here we choose "Autodetect", it can identify the car model automatically.

Detect vehicle and a	adjust meter automatically	
Diagnostic socket ac	ljustment	
Alhambra	Polo	Old trw CS46
Bora	Sharan	Old Vdo 3.5-3.9 C46
Caddy	T4	Sagitar 24C32
Cordoba	Touran	Savero 06 95040
Gol	Touareg	T5 C86
Golf	Altea 24C16	Toledo C86
Ibiza	Arosa Trw 24C04	Vento C46
Lupo	Inca Vdo 3.5-3.9 C46	Bettle

Step 2: Check the outfit of the cable, insert the OBD cable to the Diagnosis port, click "Next".

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Automatic detection:(See the Help)	5	Bacl	¢		X	$\mathbf{S}$								
Next Adjust the or Adjusting million					Kilor	neter	-							
	Inpu	t Pan	el											×
\$ <u></u>	•	1	2	3	4	5	6	7	8	9	0	1	=	BS
	Tab	q	W	е	r	t	у	u	i	0	р	]	]	1
	Caps Lock	a	s	d	f	g	h	j	k	I	;	1	ret	turn
	Shift	z	x	с	۷	b	n	m	T	13 <b>0</b> .0]	1	up		pgup
🟠 Homepage 🛛 🐬 Ba	Ctrl	win	Alt	ļ,					ins	del	lt	dn	rt	pgdn

Step 3: enter the expected mileage.

## 4.Anti-Theft System



This function can be divided into two parts: Anti-theft code reading(VW, Citroen and Puget) and program keys for BMW and Mercedes Benz.

<b>A</b> Features of some adapters:	
Adapter Name	Feature
9S12 Adapter	
OBD Adapter	
CAN Adapter	
CAS-OBD Adapter	

#### 4.1 Anti theft Code Reading

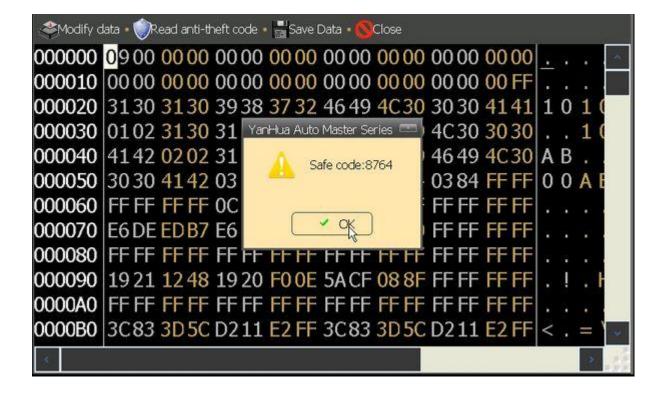
Step 1: Click"Anti-theft System" on the Homepage, and choose the vehicle model of the anti-theft device. Take "VW- AUDI - New Passat" for example.

Diagnostic port read code			
AUDI A6/V6	BORA-5A5B	08 Jetta	
AUDI A6/C5 D03	BORA-6A6B		
AUDI A6/C5 D04-D09	BORA V1		
AUDI A6 V1	AUDI A4 V1		
Age superman	Gol		
PASSAT B4	Golf		
PASSAT B5 V1	Skoda		
PASSAT B5 V2	POLO V1		
PASSAT 1.8T	POLO V2		
Touareg	New Passat		-
춺 Homepage	璓 Back	Remote service	② Directions

Step 2: Find the chip on the circuit board according to the instruction(e.g.93C86), remember the chip direction and solder it off, weld it on the adapter and then click "Next".

New Passat:(See the Help)	Back		
VW\Audi PASSAT 1.8T scop	e of readab	le bar code:	
3BD920848D		XO	
3BD920806G	0	S.	
Device type: 93C86			
Next	N		
2.			
A .			
	R		
🟠 Homepage	璓 Back	🌮 Remote service	Oirections

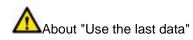
Step 3: The anti-theft code will be shown in the dialogue box.



#### 4.2 Key Binding



The BZ-KEY and BM-KEY produced by our company can only be programmed by our key programmer(This key programmer also support original key programming), therefore, you need to bind the keys to the programmer before using them.



Suitable for the last data: If you are using Automatic mode, and the operation was stop accidentally, you can use the recorded data and begin with the last step, do not need to start all over again.

Key Binding Steps:

To download the bond key information to the device key list.

Step 1: Click ""Key Register" in Management Center.



Step 2: Enter the verification code into the pop-up Dialogue box.

YH KEY Register Tip: Connecting server(sale.autoemaster.com)	Verify Code: CKAO
Connect server(sale.autoemaster.com) succeed	ckao See clearly
Release ver: 1.5.1012.4	Ne <b>x</b> t step Exit

Step 3: The device will download update to your key list.

About Automatic mode, Advanced mode and Special mode.

Key programming can be done by Automatic mode and Advanced mode. The results of both methods are the same and the process is also similar, the only difference is: when in Advanced mode, you can use you own data (bin format or other YH format), skip some steps to save time and tokens. Special mode suitable for BMW using two keys in one key channel.

1.\*

#### 4.3 Mercedes Benz Key Programming

Step 1: Go to the Mercedes Benz Key programming page.

Step 2: Take S Class W220 as example, click "S Class", choose Automatic mode, you will see there are 3 steps to program the key for Benz W220.



Step 3: First step, program EIS, choose 05X32/1D69J to enter the following page.

DAS IMMO ECU 0	5X32 (0D69J)	DAS IMMO	ECU 05X32 (0D62J)
DAS IMMO ECU 0	5X32 (0D53J)		
220 Chassis:(Pro	cess 4 steps as	follows)	- <u>1</u>
Step 1: EIS	Step 2: DME	follows) Step 3: ESM	Step 4: Key Programming
Step 1: EIS	Alexandre and a second	Anna anna anna	Step 4: Key Programming MOTOROLA CPU
Step 1: EIS	Step 2: DME	Step 3: ESM	
	Step 2: DME 11E9/4E28B	Step 3: ESM	MOTOROLA CPU

Step 4: De-solder the two CPU according to the diagram, and solder them to the adapters.(to avoid mix up please mark the two CPU before taking them off)



Step 5: After read the data it will show the SSID information etc. Choose the key number you want and then click "Write data" to finish the EIS adjust.

Bac	Key Informatio	n	_	_	
000	EIS Info		Select Key		
000			Ekey Lused	🗆 Key 9	
000	SSID	C856E619	Cikey 2.laad	□Key 10	
000			Key 30aad	🗌 Key 11	
000	PassWord	7660BD7A85F47130	Key 4Jsed	📕 🗆 Key 12	
000	VIN		Tikey Steed	□ Key 13	
000	414	ł	Key 6	Key 14	
000 000			Key 7	EKey 15	
000			Key 8	🗆 Key 16	
000				-	n
000		Write Data	Cancel		

Step 6: step 2, DME. Take 95040 for example, check the picture and remove the chip to the adapter, click "Next".

5P08/95040:(See the Help)	5 Back		<u>.</u>
		autoop	
🟠 Homepage	🐬 Back	🧊 Remote service	Oirections

Step 7: After read the data, it will show the ECU information, click "Write data" to finish the ECU programming.

Back Dat	a 🔹 📲 Save Data 🔹 🚳 Close					
000000	0000 0D02 00 67 07 1E 1E 00 05 FF FF FF 1E	04				1
000010	0A00 4180 FB 57 0280 0280 7F FF 7F FF 7F	FF			A	
000020	7FFF YanHua Auto Master Series	00				
000030		FF				
000040	FF 30 Part Number	FF		0	2	
000050	FF FF VIN	FF				
000060	FEFF Factory Data BEF410F07874BE	FF				
000070		FF				
000080	33 34 Write Data Cancel	2D	3	4	5	
000090	FF	FF				
	FF					
0000B0	FF	FF				4
3					×	34

Step 8:Step 3, ESL. Check the picture and remove the chip to the adapter, click "Next".



Step 8: click "Write data" to finish this step.

Back Dat	ta 🔹 📲 Save Data 🔹 🚫 Close				
000000	F FF F	FF	547	8	-
000010	FF	FF			
000020	FF FF YanHua Auto Master Series 📼	FF			
000030		FF			
000040	FF FF	FF			
000050	FF FF Read data successfully,writing data now?	FF			
000060	FF FF	FF			
000070		FF			
000080	FF FF Write Data Cancel	FF			
000090	FF	FF			2
0000A0	FF	FF			5
0000B0	FF	FF			
<				5	

Step 9: Step 4, key programming (this step is based on the data of step 1, if not implemented "Step 1", this step can not be operated). Take YH Key for example. Before program the YH Key please make sure it was registered.



#### 4.4 BMW Key Programming

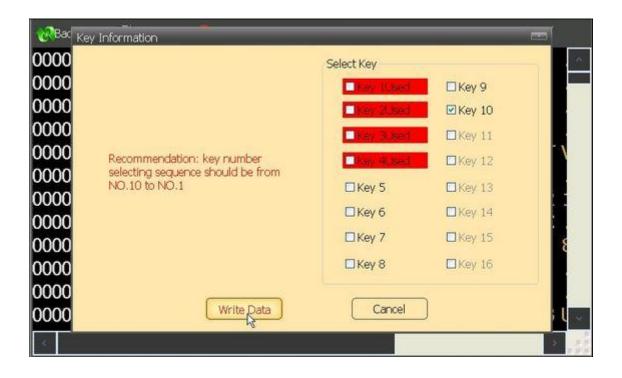
Step 1: Go to the BMW Key programming page.

New BMW:		
OBD Adapter Old BMW:	9S12 Adapter	CAN Adapter
EWS2 Chip programming:	EWS3	EWS4
7935	EML	
• Use the last data Note: The amount of function model.	of tokens is different depend	ding on the car model and the

Step 2: Take "9S12 Adapter - Automatic mode - CAS2 1 Series White shell CAS" for example.

1 Series White Shell 9512D0	G256:(See the H	telp) 🖔 Back	U U	
			$\mathbf{N}$	
Note: Please connect correc	tly referring to	the following pict	ure before operation	
Operation steps:				
Step 1: CAS Reading				_
Step 2: Key Programming		X		
Step 3: CAS Programming	6	S.		
CAS location diagram		>		
Left	N.			
	2			-
🏠 Homepage	📕 Back	🧊 Remote serv	vice 🛛 🕜 Directio	ons

Step 3: Click "Step 1: CAS Reading". After read the data the following interface come up, the red key No. has been used. Choose the Key No. you want and click"Next" to finish the first step.



Step 4: Choose "Step 2: Key programming". Place the key in the slot of the adapter(If the key is YH Key please make sure it was registered before programming). Click "Next". The pop-up dialogue will show the information of the current key.

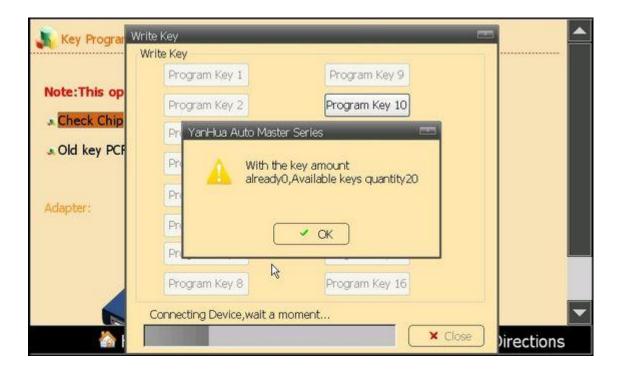
👗 Key F	Programming:(See the	Help) 🖐 Bac	*	
. Chec		(	p First,then to program t	he key.
Adapter		NN.		
	🟠 Homepage	🐬 Back	🌮 Remote service	Ø Directions

Key Programming:(See the	Help) 🖐 Beck	
Note:This operation would o	check the chip First,then to program t	he key.
Check Chip	YanHua Auto Master Series	
• Old key PCF7943/44 unlock	Chip Type: YH KEY Chip ID: 35467885 Do program the key?	
Adapter:	Yes XNo	
🚵 Homepage	🔻 Back 🕻 🎾 Remote service	Oirections

Step 5: Choose the Key No. you want to program, it will pop-up the tokens dialogue box, click "Next" to continue.

👗 Key Program	Write Key Write Key		
	Program Key 1	Program Key 9	
Note:This op	Program Key 2	Program Key 10	
Check Chip Old key PCF	Program Key 3	Program key 11	
a old key PCI	Program Key 4	Rogrem Key 12	
Adapter:	Program Key 5	Program Key 13	
	Program Key 6	Program Key 14	
	Program Key 7	Program Key 15	
	Program Kay 8	Program Key 16	
		Close	)irections

Step 6: During the programming process it will prompt you the quantity of the used key and the key can be bond, click "OK". When the used key has reached to 20, the key storage area was full, you need to go to the management center to update key list, please refer to *7.4 Reading Key List* 



Step 7: Connect the 9S12 adapter to Digimaster III, click "Step 3: CAS programming" to write the data back to the CAS.

👗 1 Series White Shell 951	2DG256:(See the Help) 5 Back	
Note: Please connect cor	rrectly referring to the following picture	before operation
	No.	
Operation steps:	YanHua Auto Master Series	
Step 1: CAS Reading	Make sure connected devices and	
Step 2: Key Programm	adapter, and plug in the chip!	
Step 3: CAS Programm		
	Yes XNO	
CAS location diagram		
Left	11	
	N	
🟠 Homepage	e 🛛 🐬 Back 🛛 🌮 Remote service	e 🕜 Directions

If your BMW key was successfully programmed once, and you want to change to another key No.or another car, please contact our Technical department.

#### **5.Airbag Resetting System**

After airbag detonation, the error record will be saved in the memory code of circuit board by airbag ECU. If you write the data generated before detonation when the computer hard disk not destroy, then you no need to change the circuit board.

#### 5.1 Airbag Resetting

Audi	Chrysler	Citroen	FIAT
Ford	GM	Honda	Hyundai
KIA	Mazda	Mitsubishi	Nissan
Opel	Peugeot	Renault	Rover
SSangYong	Subaru	SUZUKI	Toyota
Volkswagen	Samsung		
🖄 Hor	nepage 🔻 Back	🜮 Remote s	ervice 🕜 Directions

Step1: Enter the Airbag Resetting interface, choose the relevant model. Here we take Toyota as example.

Step2: The airbag will be showed in list by number.Take "Toyota09170-06340" as example, you can find out the chip in airbag ECU according to the diagram, then dismantle the chip to install to OBP Adapter, click "next step" to go.

Toyota series 89170-06340:(See the Help) Seck		
🚵 Homepage 🛛 🦻 B	ack 🔊 Remote service	② Directions

Step3: After finish reading data, it will prompt you whether need to restore airbag. Click "next step", the data will be restored to airbag chip.



# **6.Control Computer**



# 6.1 Resetting the Control Computer Data

Step1: Choose car model. Take "Passat B4" for example.

💦 ECU:(See the Help) 🖐 E	lack		
Please select the ECU mod	lels:		
Passat B4			
Bora 06A906032EQ			
Bora 06A906032LE			
GOL 5X0907311A			
Jetta 1GD906033			
Hongqi 488			
Superman 330907559A			
M154-0261206622			-
🚵 Homepage	🔻 Back	🗊 Remote service	Ø Directions

Step2: According to the diagram, dismantle the chip and install to ICP Adapter, click "next step" to go on.

Step3: After finish reading data, it will prompt that "it will cover the engine computer data", then click "next step" to write data into the engine computer.

Modify d	lata 🛛 🚮	lpdate ECL	l data 🔹 🔚	Save Dat	a • 🚫Clo	se							
000000	FFFF	FF FF	FF FF	CF70	CF70	00 00	8C4D	00	00				~
000010	FF FF	FF FF	FF FF	0101	00 00	00 A 5	00 00	00	00				
000020	02.0E	YanHua A	uto Master	Series		_	_		00				
000030	00 00	The curr	ent reset E	CU is:					00			÷.	
000040	00 FF	Passat B	4-24C02, Y	HF		^	Next	ור	00				
000050	00 00		2						00				
000060	00 00		2			~ 43	Cancel		00				
000070	00 00	1					Reselect	n l	78				
000080	77 00	2					Keseleci		4D	W			
000090	17 3A	00 00	01-00	004D	10 FE	00 1E	1B36	3A	A6				
0000A0	01D4	0400	4D2C	C7 A7	896B	27 1B	5045	3B	31				
0000B0	00 00	00 00	00 00	00 00	00 00	00 00	00 00	00	00				*
×											1	>	14

Step4: After all these operations, just need to put the chip back to car.

#### 7.Management Center



As for the details of update steps, please refer to "3 Up-guide"

#### 7.2 Adapter Update

Step1: Click "Update"---"Software update"

Step2: In "Usual Adapter" list, there are adapters needed to be updated in Odometer Adjustment and Airbag Resetting.

Step3: Mark the box of needed adapter, click "Upgrade" button. It will pop-up a box if the interface need to be converted to upgrade state in upgrading adapter. Please click "Pictures" to check how to convert the switch to upgrade state. Click "OK" to start to upgrade adapter.

ware	Adapter Upgrade		_
	Usual Adapter NXP Key Adapter		
pter L	9S12 Adapter     M350       AVR-PIC Adapter     D800       BMW-CAN Adapter     M350	F Adapter 80V6 VP A 0QW Adap 80 Adapter M35160	)
		V1.3.1101.1	
		ſ	Exit

Tip : Convert to "NXP Adapter" upgrade icon to upgrade the NXP Adapter.

7.3 Key Register	
	4
Download and update your YH key List.	

	nstruction: 🥇 Ba	CK		
1 Update	Key Register	Key List	YH Key Information	

As for more operation details, please refer to "Demo"---"IMMO"---"Key Binding System"---"Key Binding".

YH KEY Register			
Tip: Connecting server(sale.autoemaster.com) Connect server(sale.autoemaster.com) succeed	Verify Code:	C K A C	
Release ver: 1.5.1012.4	Next	<b>step</b> Exit	

# 7.4 Reading Key List

Reading the key ID bound to your device.

👗 Digimaster III	Instruction: 🖔 🛛	Jack		
1 Update	Key Register	Key List	YH Key Information	

It will prompt you upgrade before reading key list, the steps are the same as the software upgrade. If you have done software update in recent days, please click "No" to skip this step.

1	Ľ		TT CO	H KE p: onnec	r Res	gister serve	r(sak	e.auto	ema	ster.		 		enfy btf	Code:		a T See d	F c			·····
	` Tab	Au Pan 1 q		3 e	4 r	5 t	6 y	7 u	8 i	9	0 P	-	=	BS		S t step	S	Exit			
	Caps .ock Shift	a z	s x	d c	f	g b	h n	j m	k (	1	;	up	rel	aurn Douio	:e se	anviv	-0	0	Dire	actio	ne
						-			1		,	+						V			515

ndex	Key ID	VIN	
1	AD893056390B6657		
2	00000001B4E7B85		
1	AD893056390B294D		
			N
		( Close	
	Xey Information	000	
d some	Cey Information infor, such as YH Key ID, use aster III Instruction: 5 Bac	condition, etc.	
d some Digim	<b>Xey Information</b> infor, such as YH Key ID, use	condition, etc.	
d some Digim	Account center:	Condition, etc.	
d some Digim Ur Recha	Account center:	condition, etc.	evenote

Insert the key to adapter as figure and click " Next", a dialog box will pop up to show you the key infor.

lext	Key Information		
N.	Key Information		1 I
PER	Key State:	Not used	
	Key ID:	AD893056390B3610	
	Register State:	Not Registered	
Put the key as figure and the key ba			
	ſ	× Close	

Benz key information

👗 BMW: 퉛 Back	
	Key Information         Key Information         Key ID:       0000000035467B85         Register State:       Not Registered         Key ID:       Close
🟠 Home	epage 🛛 璓 Back 💈 Remote service 🕜 Directions

BMW key information

# 7.6 Authorise

You can buy certain function model to use permanently through authorise card.



Step1: Click "Authorise" and enter validate code, and click "Next" to go on.



Step2: Enter the authorise card number and password which sellers sent you, then click "Next" to complete the authorise.

Upo	Device Authorize Tip:	
Rechar	Pevice remain point: 360 Device check ok Device register check	ID: a507058517364
🍐 Aut	Device register OK Start downloading device file Downloading device file(1/1)	j. V
Help C	Pevice file update ok	Nextee Ent

#### 7.7 Module Price List

List the authorise module you bought. You also can buy authorise module in this list by yourself.



Step1: It will prompt you upgrade before reading module price list, the steps are the same as the software upgrade. If you have done software update in recent days, please click "No" to skip this step.



Step2: The module price list will show as follows. You can see the amount of authorise module you chose and the remain tokens in the lower-left corner. If you just want to see what it looks like when you chose the authorise module, please "Back" to exit.

Re	echar Aut	Co				5 m m	e.auto utoen			27	 icceed		nya nya	Code:	n Se	YZ ee dearl		
Inpu	t Pane												×				0	
Inpu	t Pane	2	3	4	5	6	7	8	9	0	-	=	BS				2	
Inpu ` Tab	t Pane	2 W	3 e	4 r	5 t	6 y	7 u	8 i	9	0 p	•	=	BS \	Next	step		A.	
•	1	2	100	4 r		10000	7 u j	1	1000	-	- [	= ] re	BS \ \	Next	step/	5		

Step3: If you want to buy the authorise module, please mark in the box and click "purchase now". A dialog box will pop up and show the module list you chose, then click "Next" to go on.

Adule Decription		Module ID	Point	AuthState	
All Grouping Modules		0000	791339	UnAuth	~
🖻 🔲 test1		0001	200	UnAuth	_
Masladi	N	0638	10	UnAuth	
- FORD TRANSIT 93C76		0699	30	UnAuth	
Mitsubishi Outlander C56		06A3	30	UnAuth	
OPEL VAUXHALL ANTAR	A C86 C86	06D8	30	UnAuth	
- Nisan MURANO C66		06DA	30	UnAuth	
- Nisan SKYLINE R35 C66		0608	30	UnAuth	
- Q7		06EC	20	UnAuth	
- 908AZ60A(1L02M)		06F0	10	UnAuth	
IC_AIRBAG-FREE		OFF5	10	UnAuth	
	series (Volvo V70 98-99, Volv	0001	9	UnAuth	
- **Meter System Volvo 908	series (Volvo S80 before year	0002	9	UnAuth	
- Meter System Volvo 908	series (Volvo V60/V70 2002 /	0003	9	UnAuth	_
**Meter System Volvo 908	Series**	0004	9	UnAuth	14
kuthorized Modules:0,A total	of 449			$\square$	
elected Modules:0	WithHolding tokens:0		Buy Now	Save Ba	ck

Step4: System will connect server automatically. Enter validate code and click "Next", you will buy the module successfully.

#### 7.8 Remote Assistance

Through Internet, our engineer will do remote assistance for your D3 to help you when needed.



Step1: Make sure your D3 has connected to internet.

Step2: Contact with us, we will give you an IP number.

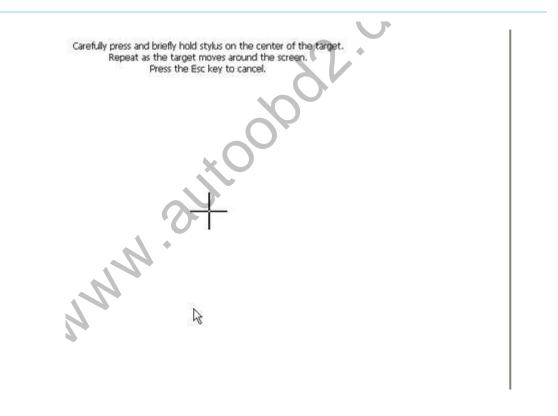
Step3: Click "Ask For Remote Assistance", enter the IP number in the pomp-up box, and "OK".



### 7.9 Stylus Proofreading

If there are some location deviation when you touch screen, please use this function to do stylus proofreading.





# Appendix

# **Appendix2 Adapter Introduction**

Picture

**Product Name** 

	OBP Adapter	Applicable to EEPROM meter, airbag ECU, audio, ECU which need to be unsoldered.
	ICP Adapter	Applicable to free stitches of 93 series, 25 series, 35080 EEPROM, CPU meter, airbag ECU, audio, ECU, etc.
NEC Adapter • routz	NEC Adapter	Applicable to CPU free switch connecting of NEC series.
# 35080 V5 •Rost Adapter •rows	35080 V6 Adapter	For 35080 series IC reading and writing
	NEC 14-PIN cable	Use together with NEC Adapter, applicable to CPU free switch connecting of NEC series.
W220/W203 Adapter	W203/W220 Adapter	Applicable to EIS ECU module programming of Mercedes-Benz C/S class electronic chassis W203/W220. Available model: 1.W220 EIS(08AZ60/1J35D)EIS(08AS60/4J74Y) 2.W215 EIS(08AZ60/1J35D)EIS(08AS60/4J74Y) 3.R230 EIS(08AZ60/1J35D)EIS(08AS60/4J74Y) 4.C CLASS W203 EIS(08AZ60/1J35D)
	TMS370 Programmer	Applicable to anti-theft reading for old Jetta, audio decoding for Deco and Opel.

₩ 単片机适配器 • Acute	MCU Adapter	Applicable to MCU meter of China model. The MCU chip can be 12F629, ATMEGA16L, ATMEGA8L, etc.
	K&CAN Adapter	Applicable to airbag resetting via K-Cable for VW &Audi, CAS module programming for BMW. Applicable to the new BMW: 1.CAS2 X5(E70)9S12DG256; 2.CAS2 1 ser white shell 9S12DG256; 3.CAS2 1 ser black shell 9S12DG256; 4.CAS2 3 ser white shell 9S12DG256; 5.CAS2 3 ser black shell 9S12DG256; 6.CAS2 5 ser white shell 9S12DG256; 7.CAS2 5 ser black shell 9S12DG256; 8.CAS2 6 ser white shell 9S12DG256; 9.CAS2 6 ser black shell 9S12DG256; 10.7 ser (E66)9S12DG256; 11.CAS3 X5(E70)9S12XDP512; 12.CAS3 X6(E71)9S12XDP512; 13.CAS3 1 series 9S12XDP512; 14.CAS3 3 series 9S12XDP512; 15.CAS3 5 series 9S12XDP512; 16.CAS3 6 series 9S12XDP512
	CAN-OBD DMI	Applicable to process of some Audi A6L & A8L.
	VW AUDI OBDII	Applicable to OBD adjustment for VW, Audi, Benz & BMW.
	BENZ 38PIN	Applicable to free switch adjustment for Benz S Class (before Year1999)

BENZ OBD	Applicable to free switch adjustment for Benz SLK Class (before Year2000)
BMW E36	Applicable to free switch adjustment for BMW E36
BMW E36 Meter Socket Connecting Cable	Applicable to meter adjustment with socket connect cable for BMW E36
BMW E38/39	Applicable to meter adjustment with socket connect cable for BMW E38/E39
BENZ 95S	Applicable to meter adjustment with socket connect cable for Benz S Class, Year1995
JAGUAR11DU	Jaguar meter socket connecting cable

CE CLASS	C/E CLASS	Applicable to meter adjustment with socket connect cable for Benz C &E Class, Year2000-2005
	Ford Ranger	Applicable to Ford Ranger.
Image: Size Adapter         Image: Size Adapter	9S12 Adapter	Applicable to CAS ECU module programming for BMW 3/5/7 series of electronic chassis E90/E60/E66 (after 2005), and EIS ECU module programming for Mercedes-Benz S/E/C class of electronic chassis W220/W211/W203(after 2005) Available Model 1.W220 EIS 912DG128/0K50E ( 9-112) 2.W220 EIS 912DG128/0K50E ( 9-112) 3.W220 EIS 912DG128/J8891D (9-112) 4.W220 EIS 912DG128/J8891D (9-112) 4.W220 EIS 912DG128/J8891D (9-112) 6.W215 EIS 912DG128/J8891D (9-112) 7.W215 EIS 912DG128/J8891D (9-112) 7.W215 EIS 912DG128/J8891D (9-112) 10.R320 EIS 912DG128/J8891D (9-112) 11.R320 EIS 912DG128/J8891D (9-112) 11.R320 EIS 912DG128/J8891D (9-112) 11.R320 EIS 912DG128/J8891D (9-112) 13.W211 EIS 912DG128/J8891D (9-112) 13.W211 EIS 912DG128/J8891D (9-112) 14.W211 EIS 912DG128/J8891D (9-112) 15.W211 EIS 912DG128/J8891D (9-112) 15.W211 EIS 912DG128/J8891D (9-112) 16.W211 EIS 912DG128/J8891D (9-112) 16.W211 EIS 912DG128/J8891D (9-112) 17.W209 EIS 912DG128/J8891D (9-112) 18.W209 EIS 912DG128/J8891D (9-112) 19.W209 EIS 912DG128/J8891D (9-112) 20.W209 EIS 912DG128/J8891D (9-112) 22.W219 EIS 912DG128/J8891D (9-112) 23.W219 EIS 912DG128/J8891D (9-112) 23.W219 EIS 912DG128/J8891D (9-112) 24.W219 EIS 912DG128/J8891D (9-112) 24.W219 EIS 912DG128/J8891D (9-112) 24.W219 EIS 912DG128/J8891D (9-112) 25.OId BMW EWS4 26.CAS1 7 series 912DG128/J8891D (9-112) 27.CAS1 7 series 912DG128(0K50E)9-112 28.CAS2 X5(E70)9S12DG256 29.CAS2 1 ser white shell 9S12DG256

		30.CAS2 1 ser black shell 9S12DG256 31.CAS2 3 ser white shell9S12DG256 32.CAS2 3 ser black shell 9S12DG256 33.CAS2 5 ser white shell 9S12DG256 34.CAS2 5 ser black shell 9S12DG256 35.CAS2 6 ser white shell 9S12DG256 36.CAS2 6 ser black shell 9S12DG256 37.7 series (E66)9S12DG256
	Lexus LS400 Adapter	Applicable to odometer IC(457C) of LexusLS400(1992-1994)
	Grand Cherokee Adapter	Applicable to odometer CPU of Grand Cherokee
• ussy <i>W211 Adapter</i>	W211 Adapter	Applicable to process of EIS ECU module for Benz E Class W221(2002-2005)
EG5/EG6 Adapter	E65/E66 Adapter	Applicable to process of CAS ECU module for BMW 7 series E65/E66(2002-2004)
CAS BDM Programmer Programmer	CAS-BDM Programmer	Applicable to process of EIS ECU module for BMW 3/5/7 series E90/E60/E66(after 2005) Available model 1.W220 EIS 9S12DG128/1L85D (9S80) 2.W215 EIS 9S12DG128/1L85D (9S80) 3.R320 EIS 9S12DG128/1L85D (9S80) 4.W211 EIS 9S12DG128/1L85D (9S80) 5.W209 EIS 9S12DG128/1L85D (9S80) 6.W219 EIS 9S12DG128/1L85D (9S80)
BMW CAN Adapter	BMW CAN Adapter	Applicable to process of CAS ECU module (odometer socket)for BMW 3/5/7 series E90/E60/E66(after 2005)

MC705-PROG Adapter • rows	MC705-PROG Adapter	<ul> <li>1.S Class W140 DAS IMMO ECU 05X32(0D69J)</li> <li>2.S Class W140 DAS IMMO ECU 05X32(0D53J/0D62J)</li> <li>3.S Class W220 EIS ignition module 05X32(1D69J)</li> <li>4.CLK Class W208 EIS ignition module 05X32(1D69J)</li> <li>5.C Class W202 EIS ignition module 05X32(1D69J)</li> <li>6.E Class W210 EIS ignition module 05X32(1D69J)</li> <li>7.ML Class W163 AAM 05X32(G47V/1D69J)</li> </ul>
MC 711 - PROG Adapter • rowsz	MC711-PROG Adapter	Old BMW EWS2(2D47J,0D46J)/EWS3£¨2D47J,0D46J£©
NEC KEY Adapter • Power	NEC KEY	Mercedes Benz S, C, E, SL, CL, CLK and CLS Class Key
N N N N N N N N N N N N N N N N N N N	EWS_K	adjust EWS through K line
MC705E6适配器	MC705E6	1.MOTOROLA key chip 2.E Class W210 ESL(05E6/G72A) 3.E Class W211 ESL(05E6/0F82B) 4.CLK Class W208 ESL(05E6/G72A) 5.CLK Class W209 ESL(05E6/0F82B) 6.CLS Class W219 ESL(05E6/0F82B) 7.C Class W202 ESL(05E6/G72A) 8.C Class W203 ESL(05E6/0F82B)
	CAS OBD II	BMW 7 series E65 before 2006
	NXP	7936,7941,7942,7943,7944,7946,7947,7952,7961

Contraction of the second seco	IAR key	Benz
	ESL	1.MOTOROLA key chio; 2.E Class W210 ESL(05E6/G72A); 3.E Class W211 ESL(05E6/0F82B); 4.CLK Class W208 ESL(05E6/G72A); 5.CLK Class W209 ESL(05E6/0F82B); 6.CLS Class W219 ESL(05E6/0F82B); 7.C Class W202 ESL(05E6/G72A); 8.C Class W203 ESL(05E6/0F82B);
29F Serial Adapter • route	29FXX	Old Mercedes Benz DME Chip

Appendix3 Replaced Chip List						
Original Chip	Replaced Chip	Remark				
93C06	93C46	93C06 cannot replace 93C46Ê				
9314	93C46	9314 cannot replace 93C46Ê				
C46M6	93C46					
DD72	93CS66	DD72 cannot replace 93CS66				
DD82	93CS66	DD82 cannot replace 93CS66				
S220	93CS66	S220 cannot replace 93CS66				
93C56	93C66	93C56 cannot replace 93C66				
C56M6	93CS66	C56M6 cannot replace 93CS66				
CS56	93CS66	CS56 cannot replace 93CS66				
85C72	24C16	85C72 cannot replace 24C16				
85C82	24C16	85C82 cannot replace 24C16				
24C01	24C16	24C01 cannot replace 24C16				
24C02	24C16	24C02 cannot replace 24C16				
24C04	24C16	24C04 cannot replace 24C16				
24C08	24C16	24C08 cannot replace 24C16				
D6253	24C16 or 24C01	D6253 cannot replace 24C16				

D6254	24C16 or 24C01	D6254 cannot replace 24C16
PDH001	X2444P or X24C44	
PDH004	X2444P or X24C44	
X24C01	no	X24C01 & 24C01 cannot replaced each other

# **Appendix4 Chip Dismantling and Soldering**

I.Chip Dismantling and Soldering:

1 The choice of iron:

It should be connected with ground safely. When there is no constant temperature soldering iron, the 20W internal heat-type or 25W external heat-type soldering iron can be OK, but ensure that the former should not exceed 25W, and the latter does not exceed 30W.

2 The choice of flux:

Rosin is the best choice. Solder paste will never be allowed to use in soldering. You should change the rosin immediately when it turns to black.

3 The choice of solder wire: The imported solder wire with low melting point and rosin is the only choice

II.Chip disassembling

1.When unsoldering biserial & straight inserted chip, you can clean out the soldering tin on the pin by disordering gun or disordering wire, please don't draw hard.

2.When unsoldering patch or chip, melting more rosin on the two rows of pins, and heat them up until the chip loose completely, then remove it. Please don't pry hard.

3.Please do not heat the chip too long, or it will be damaged.

4.If there is protection paint on the chip, please heat it up with iron, and scratch gently with a blade or tweezers, then dismantle the chip.

5. How to wipe off the protection paint on the circuit board or IC? Before soldering, please heat the layer of protection paint with iron or hot air to 70-80 degrees Celsius, and then peel gently with a word screwdriver.

III.Chip Soldering

1.Please do not heat the chip too long, or it will be damaged.

2. The iron should be wiped with a damp cloth or soaking sponge to keep it clean ,because it won't be easy to disordering tin in a state of high-temperature oxidation for a long time.

3. The heat conduction should depend on the tin, and it does no good to soldering by the iron head-to-chip hard.

4.Don't move or shake the chip before the soldering solidified.

5.When soldering, you had better first solder the diagonally pins to fasten the chip, and then do other pins.

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