Intro

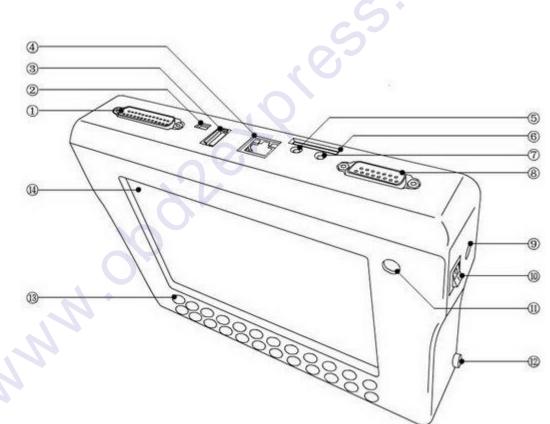


1.Feature and Function

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

j¤°´¼ü¹¦ÄÜ˵Ã÷£°

1 , 40 h 10 = b		
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

3.Adapter List	CO.
Product Name	G*
OBP Adapter	
ICP Adapter	
NEC Adapter	
NEC 14-PIN cable	<u> </u>
W203/W220 Adapte	er
TMS370 Programm	er
MCU Adapter	
K&CAN Adapter	
CAN-OBD DMI	
VW AUDI OBDII	
BENZ 38PIN	
BENZ OBD	
BMW E36	
BMW E36 Meter Socket Conne	ecting Cable
BMW E38/39	
BENZ 95S	
JAGUAR11DU	
C/E CLASS	
Ford Ranger	
9S12 Adapter	
Lexus LS400 Adapt	er
Grand Cherokee Ada	pter
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



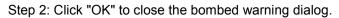
Step 3: Open the software interface as below after installation

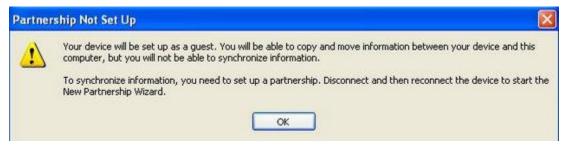


2.Connect the D3 with PC and internet

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

New Partnership	
	Set Up a Partnership
	Before you can synchronize information between your mobile device and this computer, you must set up a partnership between them.
	Would you like to set up a partnership?
	⊙Yes
	Set up a partnership so that I can synchronize information between my device and this computer. No
	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.
1 Ch	K Back Next > Cancel Help





Nicrosoft ActiveSync	
File View Tools Help	
💿 Sync 🕒 Schedule 🔯 Explore	
Guest	
Connected	V
	Hide Details 🗙
Information Type Status	

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

3

-0
-0
Hide Details 🗙

Insert 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 ${}_i\ensuremath{\mathbf{f}}$

💦 Remote Assistance: 🖔 Ba	:k
Set IP	
Remote Assistance Request	
Remote Control	Start Assistance Peer Address: 180.136.156.186 OK Cancel
🚵 Homepage	🔻 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 Wiz	ard	
	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.

W ThTech WINCE 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:	
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 f_{\neg} complete the activation f_{\neg} 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:								12233						
Connecting server(sale.autoe	master.com		Verify Code: Q			2 F		e						
Connect server(sale.autoema					qfre See					V		1		
							-			·		2		
	Inpu	t Pan	el											×
	Inpu	t Pan	el 2	3	4	5	6	7	8	9	0		=	BS
	Inpu N Tab	1	2		4 r	5 t	6 y	7 u	8 i		-	- T	=	BS
Release ver: 1.5.1012.4	Tab	1 q	2 w	e	4 r	t	y	u	i	9	р	-]	BS \
Release ver: 1.5.1012.4	Tab Caps Lock	1 q a	2 W S	e d	f	t g	y h	u j	8 i k		P ;]	turn
Release ver: 1.5.1012.4	Tab	1 q	2 w	e	4 r f v	t	y	u	i		р	- [up]	١

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

Device F	Jser Register					Ż						ŀ				
Checkine	Customer information															
Device r	Key information (Required);													28		
Device r	Company name:	asd						*(Allow	ws 1-1	.00 k						
Device o	Consignee:	nanjing						*(Allon	ws 1-5	io let	_					
Start de	Contact Address:	ontact Address: henan*(Allows 1-100 k								.00 k						
Operatir	Telephone:	123	Inpul	t Pan	el											×
	Other Info(Choose	to fill in)	•	1	2	3	4	5	6	7	8	9	0	•	=	BS
	Email	1	Tab	q	w	е	r	t	y	u	i	0	р]]	1
Release .			Caps Lock	a	s	d	f	g	h	j	k	1	;	•	rel	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	Nor and
Tip:	ID: r7434B9397148
Checking device	Password: ********
Operating	- Password.
Device not activated	
Device remain point: 0	
Device check ok	
Start device register	
Operating	
Release ver: 1.5.1012.4	Next step Exit

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.

💦 Re	charge & A	ccount	center:					
	Authorise		Payment	8	Module price list	*	Remote Assistance	

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

	Character Database												i i		
	Charge Points Tip:			-		ID:	0	72600	00828	997		_			
	Device remain point: 338 Device check ok			~		sword	1	totototo			_	_			
💦 Rechar	Device register check														
Aut	Device register OK Start downloading device file														
	Downloading device file(1/1)														
S	Device file update ok	Inpu	t Pan	el	<u>a</u> 3						e .				LŇ
Help Co		•	1	2	3	4	5	6	7	8	9	0	-	=	BS
🛉 Up-		Tab	q	w	е	r	t	у	u	i	0	р	[]	1
	Release ver: 1.5.1012.4	Caps Lock	a	s	d	f	g	h	j	k	1	;	•	rel	turn
		and and	z	x	с	v	b	n	m	,	100	1	un		-
		Shift	4	^	-				1000			1	up		pgup

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 III	Instruction: 🏷 🖪	lack		
	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)

102

Note: Do you need	to upgrade adapter,
or go to next step.	to apgrade adapter,
YES	NO

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

		Up	date	Dev	rice F	iles												
			nnec				e.auto				 icceed		/erify (04z	Code:	O4 See	e dea	822	
Input	: Pan	el											×					
•	1	2	3	4	5	6	7	8	9	0	-	H	BS					
Tab	q	w	e	r	t	у	u	i	0	p	[]	1	Next sta	ep		Exit	
Caps Lock	a	s	d	f	g	h	j	k	1	;	•	re	turn	hr				
Shift	z	X	с	v	b	n	m	97648		1	up	-	pgup					

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											
000000	00 FF	FF FF									
000010	FF FF										
000020	FF FF	FF FF	FF FF	DEFB	DEFB	DEFB	DEFB	DEFB	7 2		
000030	DEFB	DEFB	FF FF	FF FF	00 00	FF FF	FF FF	FF FF			
000040	EFBD	EFBD	EFBD	EFBD	D7 FF	D7FF	D7 FF	D7 FF			
000050											
000060										•	
000070											
000080										•	
000090									- <u>-</u>	0	
0000A0										•	
0000B0	FF FF		•	-							
*								U		\$	N N N
							C	•			

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	Exit

Fill 📢	Write Data	a 🛛 🔁 Veri	ify chip 🔹	Reflu	sh 🔸	i nc	opy	. 6	Past	e • I	5 Un	do •	-	Quit			
000000	1234	FF FF	FF FF	FF F	FF	FF	FI	FI	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	7																
000040																	
000050																	
000060							FI							•			
000070					E D	i) A el	51	۱E.	7R	QU	70	30					×
000080					1	2	3	4	5	6	7	8	9	0		H	BS
000090				TOD	q	W	e	r	t	у	u	i	0	р]]	1
0000A0	5			Lock	a	s	d	f	g	h	j	k	1	;	1	re	turn
0000B0	FFFF	FF FF	FFFF	Shift	z	x	с	۷	b	n	m	1		1	up		pgup
×				Ctrl	win	Alt	0					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	
L.2 IC Pro	ogramming	
Step 1: Conn	ect the chip De-solder or link the chip to the OBP adapter according to the	instructio
Please :	select the type of chip:(See the Help) 5 Back	

1.2 IC Programming

ual serie	s N						
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	
24008	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 🙀	ack Data	Modif	y data 🛛 🕻	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	- 22			
000020	FF FF	FF FF	FF FF	DEFB	DEFB	DEFB	DEFB	DEFB				
000030												
000040									1.1		•	
000050												
000060											- 6	
000070											. 1	
000080											•	
000090									÷		0	
0000A0									ž		•	
0000B0	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	•	•		-
×											3	N N N

1.3 CPU Programming

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

68Pins:(<u>See the Help</u>) 🖐 B	ck 🗸	
Nçxt		
Wiring Diagram		
MODESTICS SEPARATION		
8-1-0-0-0-0-1 8-1		
-66666666666666666666666666666666666666		
	🔻 Back 🛯 Remote service 🛛 🕜 Direc	

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

Read Da	ta 🔹 📑 Sa	ve Data 🔹	Back Da	ata • 🍣 M	lodify data	• Clos	e		umero)			
000000	1234	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF F	F .	4		~
000010	1235	2420	1010	1251	4010	1FFF	FF F0	10 F	F.	5	\$	
000020	FF FF	FF FF	FF FF	FF FF	FF F1	0101	OF FO	FF F	F.			
000030	FAAA	AAAA	AA FO	FF FF	FF FF	FF FF	FF FF	FFE	37.			
000040	00 00	18 B7	00 00	18B1	00 00	18B7	00 00	001	D.			
000050	E600	00 00	00 00	00 00	00 00	00 00	00 00	000	00			
000060	00 00	00 00	00 00	00 00	00 00	00 00	00 00	000	0.			
000070	00 00	00 00	00 00	00 00	00 00	00 00	00 00	000	00			
080000	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF F	F.			
000090	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF F	F.			
00000A0	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FFF	F.			
0000B0	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF 0	00			*
3											2	

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

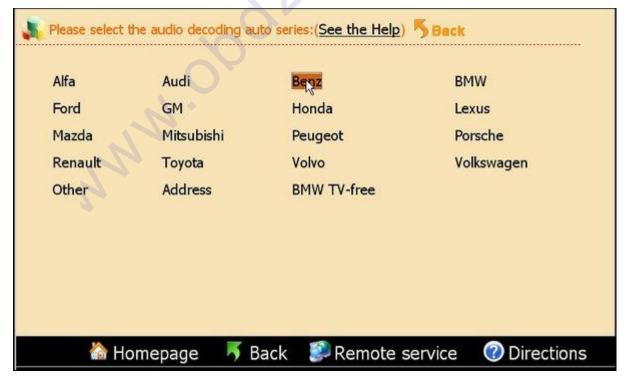
JNN · OP

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.



2.2 Audio Code Management

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.

Amodify of	lata 🛛 👼 Tr	ansfer Co	te • 📕 S	ave Data 🔹	Close	e.						
000000	89 A 8	8F E 8	9470	9470	8E 30	8E 30	17 BB	1C20) <u>.</u>			-
000010	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF	FF FF				
000020	FF FF	YanHua A	uto Maste	r Series	_	_	_	E FF				6
000030	FF FF	The curre	ently selec	ted transf	er docume	ents are:		FF				5
000040	C0 00	BenzBE1	130-2412	1.YH		^	Itlext) .			
000050								00				
000060						~	Cancel	00			. (
000070		Sound Co	ode				Reselect	FF				
000080		24121							•			
000090												
0000A0											B	
0000B0	53 57	OB 12	2A04	00 00	00 00	00 00	00 00	00 00	S	W		-
×											*	12.2

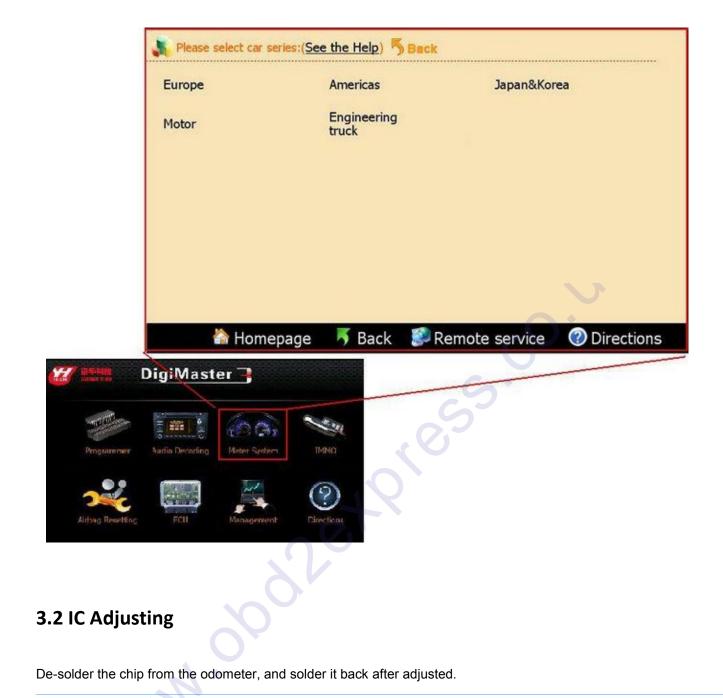
Step 3: Solder the chip back to the board, and then use this new code to decode the audio.

MN . OOR

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



A 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:(<u>See the Help</u>)	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	📕 Back 🛛 ಶ Remo	ote 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.



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

Read mi	leage 🔹 🔚 Save Dat	a 🛛 🕜 Back Data 🗸 🍣	Modify data 🔹 🚫 Cl	lose			
000000	F <mark>FFFFFFFF</mark>	FF FF FF FF	BAFC FF FF	BAFC FF F	F.		.
000010	BAFC FF FF	DFE1 FF FF	FF FF FF FF	FF FF FF F	F .		
000020	FF FF FF FF	FF FF FF FF	FF FF FF FF	FF FF FF F	F .		n e
FEBRUARY STREET, STREE		Adjust the odometer	-	FF FF F	F .		
	FF FF FF FF	Adjusting mileage:	 Kilometer 	FF FF F	F .		8 e
	FF FF FF FF	12	O Mile	FF FF F			8 I I I I I
	FF FF FF FF			FF FF F			9 R
000070	0ED6 95 21	K OK	X Cancel	FF FF F	F .		!.
260							2

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 ad	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".

Step 3: enter the expected mileage.

Automatic detection:(See the Help)	5	Bacl	ĸ											
Next	lome	ter	7		2			1						
Adjusting m		e:			Kilor Mile	meter								
		1	2	3	4	5	6	7	8	9	0		=	BS
	Tab	q	w	e	r	t	у	u	i	0	р]]	1
1	Caps Lock	a	s	d	f	g	h	j	k	L	;	1	rel	turn
	Shift	z	x	с	۷	b	n	m	7	34.0	1	up		pgup
📸 Homepage 🛛 🐬 Ba	Ctrl	win	AR	Î.					ins	del	lt	dn	rt	pgdn

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.

A Features of some adapters:	
Adapter Name	Feature
9S12 Adapter	
OBD Adapter	
CAN Adapter	
CAS-OBD Adapter	

4.1 Anti theft Code Reading

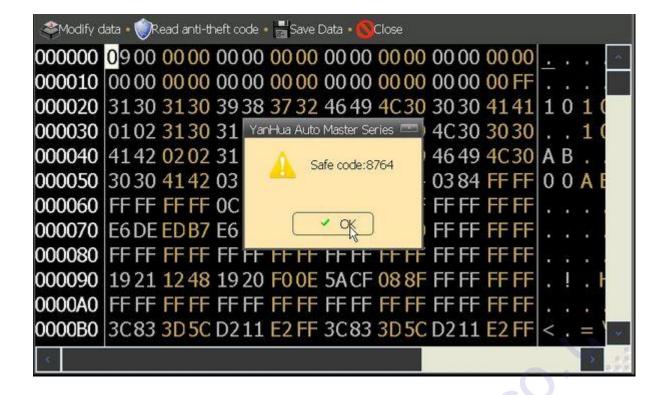
Step 1: Click"Anti-theft System" on the Homepage, and choose the vehicle model of the anti-theft device. Take "VW- AUDI - New Passat" for example.

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

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	<u> </u>	
VW\Audi PASSAT 1.8T sco	pe of readab	le bar code:	
3BD920848D			
3BD920806G			
Device type: 93C86			
<u>Next</u>			
. N ·			
	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.

Pulsars and Fidda 4	Tip: Connecting server(sale.autoemaster.com) Connect server(sale.autoemaster.com) succeeded	Verify Code: ckao See clearly
Release Ver: 1.5.1012.4	Release ver: 1.5.1012.4	Ne x t step Exit

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.

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 05	5X32 (0D69J)	DAS IMMO	ECU 05X32 (0D62J)
DAS IMMO ECU 05	5X32 (0D53J)		
	cess 4 steps as	The second	Step 4: Key Programming
	The second	The second	Step 4: Key Dragramming
Step 1: EIS	Step 2: DME 11E9/4E28B	Step 3: ESM 93C56	Step 4: Key Programming MOTOROLA CPU
Step 1: EIS	Step 2: DME	Step 3: ESM	
Step 1: EIS 05X32/10691 08AZ60/1J35D 08AS60/4J74Y	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)

05X32/1D69J:(See the Help) 5 Back
Next Program two CPU	
🚵 Homepage	🔻 Back 💈 Remote service 🛛 🕜 Directions

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.

Key 10sed Key 9 Key 2 last Key 10
Key 20sed
Key 3Jeed Key 11
Key 4Used Key 12
Key 5Jsed
□Key 6 □Key 14
□Key 7 □Key 15
☑ Key 8 ☑ Key 16

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

🔰 5P08/95040:(<u>See the Help</u>) <mark>5</mark> Bac	s <u>S</u>
	2 et e
🚵 Homepage 🛛 🐬 Ba	ck 😰 Remote service 🛛 🕜 Directions

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

Back Dat	ta 🔹 🖥 Save Data 🔹 🚳 Close					
000000	0000 0D 02 00 67 07 1E 1E 00 05 FF FF FF 1E	04				^
000010	0A00 4180 FB 57 0280 0280 7F FF 7F FF 7F	FF			А	
000020	7F FF YanHua Auto Master Series	00				
000030	00.00 ECU Info	FF				
000040	FF 30 Part Number	FF		0	2	
000050	FF FF VIN	FF				
000060	Pactory Data Departmentates	FF				
000070		FF				
000080		2D	3	4	5 :	
000090	FF	FF				
	FF					
0000B0	FF	FF				
3					×	1

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	za 🔹 📲 Save Data 🔹 🚫 Close					
000000	F FF F	FF	19 77	342	8	
000010	FF	FF				
000020	FF FF YanHua Auto Master Series	FF				
000030		FF				
000040	FF FF	FF				
000050	FFFF Read data successfully, writing data now?	FF				
000060	FF FF	FF				4
000070	FF FF	FF				a -
000080	FF FF Write Data Cancel	FF				_
000090	FF	FF				
0000A0	FF	FF				5
0000B0	FF	FF				
<					3	

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.



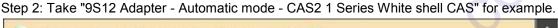
Step 10: Choose the key No. to begin key programming.

	Program Key 1	Program Key 9	
	Program Key 2	Program Key 10	
	Program Key 3	Program Key 11	
	Program Key 4	Program Key 12	
	Program Key 5	Program Key 13	
Put the key as figure	Program Key 6	Program Key 14	
	Program Key 7	Program Key 15	
	Program Key 8	Program Key 16	

4.4 BMW Key Programming

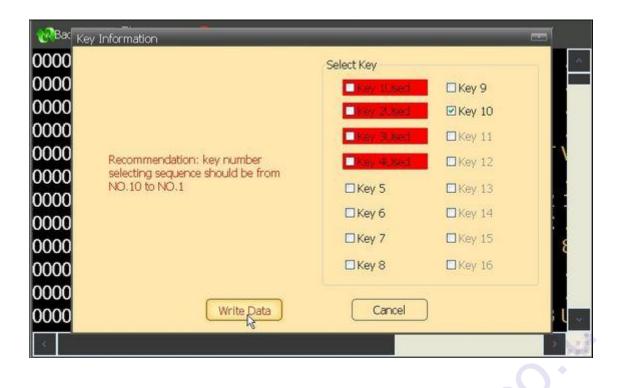
Step 1: Go to the BMW Key programming page.





1 Series White Shell 9S12DG256:(See the Help) 5 Back	
Note: Please connect correctly referring to the following picture before operation Operation steps:	
Step 1: CAS Reading Step 2: Key Programming	
Step 3: CAS Programming CAS location diagram	
Left	
A Homepage 5 Back Remote service @ Direction:	5

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.

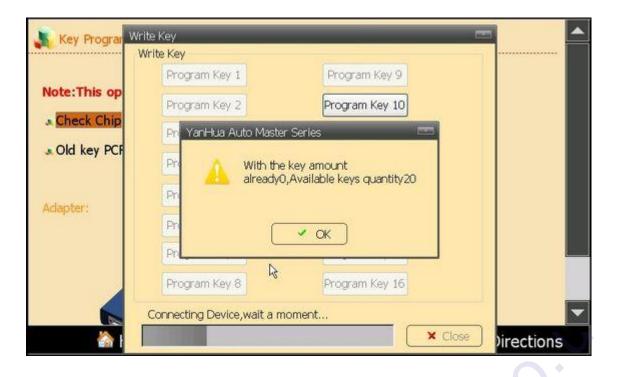


Note:This operation would	check the chip First,then to program	n the key.
Check Chip	YanHua Auto Master Series	
Old key PCF7943/44 unlock	Chip Type: YH KEY Chip ID:35467885 Do program the key?	
dapter:	Yes XNO	
	Yes No	

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

Note:This op Check Chip A Old key PCF	am Key 1 am Key 2 am Key 3	Program Key 9 Program Key 10 Program Key 11	
Check Chip Progr Old key PCF			
. Old key PCF		Programmey 11	
Plog	am Key 4	Program Key 12	
Progr	am Key 5	Program Key 13	
	am Key 6	Program Key 14	
Progr	am Key 7	Program Key 15	l l
Progr	am Key 8	Program Key 16	

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 95:	2DG256:(See the Help) Seck
	S
Note: Please connect co	rrectly referring to the following picture before operation
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	00
CAS location diagram	Yes XNO
Left	
🚵 Homepag	e 📕 Back 🧊 Remote service 🕜 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

Opel Peugeot Renault Rover SangYong Subaru SUZUKI Toyota
Opel Peugeot Renault Rover SSangYong Subaru SUZUKI Toyota
SSangYong Subaru SUZUKI Toyota
45
Volkewagen Sameung
voikswagen Sansung

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 89170-0634	0:(See the He	lp) 🖔 Back	
Device Model: RA66			
Next			
N.	•		
🚵 Homepage	🔻 Back	🧊 Remote service	Oirections

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

	ECU:(See the Help) 5 Back
	Please select the ECU models:
	Passat B4 Bora 06A906032EQ Bora 06A906032LE GOL 5X0907311A Jetta 1GD906033 Hongqi 488
	Superman 330907559A M154-0261206622
F seens	A Homepage 5 Back Period Remote service O Directions
	DigiMaster

6.1 Resetting the Control Computer Data

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

ECU:(See the	Help) <mark>5 Back</mark>				
Please select th	e ECU models:				
Passat B4					
Bora 06A906032	EQ				
Bora 06A906032	LE				
GOL 5X0907311/	A				
Jetta 1GD906033	3				
Hongqi 488					
Superman 33090	07559A				
M154-026120662	22				▼
•					
🚵 Ho	omepage 🛛	ኝ 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 🔹 🍕 Update ECU data 🔹 🔜 Save Data 🔹 🚳 Close			
000000	FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	000 8C4D 000	0.	
000010	FF FF FF FF FF FF 0101 00 00 00	A5 00 00 00 0	0	
000020	02 0E YanHua Auto Master Series	0	0	• •
000030	00 00 The current reset ECU is:	0	0	. H
000040	00 FF Passat B4-24C02.YHF	Next 0	0	
000050	00 00	0	0	
000060	00 00	k Cancel 0	0	
000070	00 00	Reselect 7	8	
000080	77 00	Keselect 4	Dw.	
000090	17 3A 00 00 0F 00 00 4D 10 FE 00) 1E 1B36 3AA	6 . :	
0000A0	01D4 04 00 4D 2C C7 A7 89 6B 27	7 1B 50 45 3B 3	1	
0000B0	00 00 00 00 00 00 00 00 00 00 00 00	000 00 00 00 00 0	0	• •
				2.12

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.

tware	Adapter Upgrade		
	Usual Adapter NXP Key	Adapter	
apter L	NEC Adapter 9S12 Adapter AVR-PIC Adapter BMW-CAN Adapter 29F Adapter 705 Adapter 711 Adapter	AZ60_F Adapter M35080V6 VP A D80D0QW Adap M35080 Adapter D160/M35160	Upgrade
			V1.3.1101.1
			Exit

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

7.3 Key Register

Download and u	pdate your YH key Li	st. 00'		
👗 Digimaster	III Instruction: 🀬 🖪	Back		
			_	
1 Update	Rev Revister	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 O See clearly
Release ver: 1.5.1012.4	Nelect	step Exit

7.4 Reading Key List

Reading the key ID bound to your device.

🗼 Digimaster III	Instruction: 🀬 🖪	leck		
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.

ech	c							ster.« r.cor		 Icceed		btfe	Code:	S	e dea	ty of	5		
A	utl																		
at Pa												L.							
1		3 e	4 r	5 t	6 y	7 u	8 i	9	0 P	- [=	BS	Next	step		Exit			
a		d	f	g	, h	j	k	ī	;	1	те	turn							
z	X	c	v	b	n	m	1		1	up	1	pgup	e se	rvice	e (? D	irect	ions	
						C	5	Ş											_

index	Key ID	VIN	
	AD893056390B6657		
2	00000001B4E7B85		
}	AD893056390B294D		
		2	
		-	

7.5 YH Key Information

Read some infor, such as YH Key ID, use condition, etc.

Digimaster III Instruction: Seck
Update Key Register Key List Information
Authorise Aryment 🐝 Module price 🔮 Remote Assistance
Help Center:
1 Up-guide ? Directions 🞸 Stylus proofreading
🖄 Homenage 🛛 🔻 Back 😰 Remote service 🕜 Directions
🟠 Homepage 🛛 🦻 Back 😰 Remote service 🕜 Directions

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

🔉 Benz: 🀬 Back	
Next	Key Information
Put the key as figure and the key be	Key State: Not used Key ID: AD893056390B3610 Register State: Not Registered
	× Close
🚵 Home	page 📕 Back 😰 Remote service 🕜 Directions

Benz key information

🔉 BMW: 🀬 Back	6	•
	Key Information Key Information Key ID: 0000000035467B85 Register State: Not Registered	
🏠 Hom		Ø Directions
1	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.

A	Device Authorize		
Up	rd Tip:	ID: a507058517864	
	Device remain point: 360 Device check ok	Password:	
Recha	Pevice register check		
🚣 Au	Device register OK		
Z	Start downloading device file		
	Downloading device file(1/1)		
Help (pevice file update ok		
1 Up	Release ver: 1.5.1012.4	Nexit step	xit

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.

R	Upc echar Aut	00	nnec				e.auto				 kcceed		nfy Code:	n Y See	/Z s dearly	C	
npu	t Pane												×				
npu •	t Pane	2	3	4	5	6	7	8	9	0	•	=	BS		S		
•	t Pane	2 W	3 e	4 r	5 t	6 y	7 u	8 i	9 0	0 p	-	=	BS \	step	Ext.		
Tab Japs	1	2	100	4 r		6 y h	7 u j	8 i k	1000	100000	- [1	=] retu	1 Next	step	Ext.		

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.

Module Decription		Module ID	Point	AuthState	T
- Ali Grouping Modules		0000	791339	UnAuth	
e testi		0001	200	UnAuth	
- Masladi		0638	10	UnAuth	
FORD TRANSIT 9307	6	0699	30	UnAuth	
Mitsubishi Outlander C	56	06A3	30	Unauth	
OPEL VAUXHALL ANT	ARA C86 C86	06D8	30	UnAuth	
- Nisan MURANO C66		06DA	30	UnAuth	
Nisan SKYLINE R35 C	66	0608	30	Unauth	
		06EC	20	UnAuth	
- 908AZ60A(1L02M)		06F0	10	Unauth	
IC_AIRBAG-FREE		OFF5	10	UnAuth	
	08 series (Volvo V70 98-99, Volv	0001	9	UnAuth	
	08 series (Volvo S80 before year	0002	9	UnAuth	
- ** Meter System Volvo 9	38 series (Volvo V60/V70 2002 /	0003	9	UnAuth	_
- **Meter System Volvo 90	08 Series**	0004	9	UnAuth	1.94
Authorized Modules:0,A tot	al of 449		\frown	\frown	
Selected Modules:0	WithHolding tokens:0		Buy Now	Save Ba	ick
Remaining tokens: 1054	Tokens after deducting:1	054			_

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.

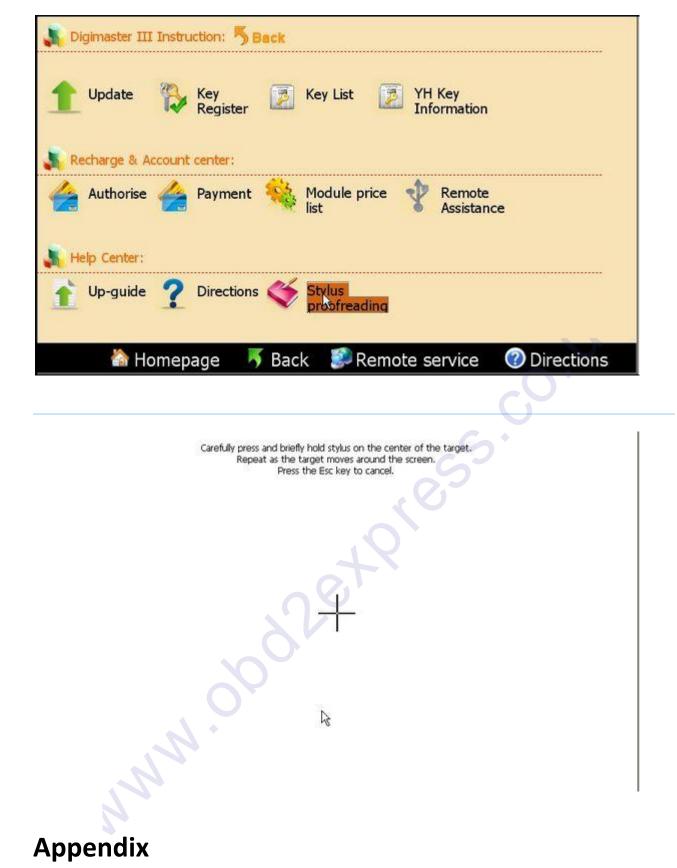
Step2: Contact with us, we will give you an IP number.

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

IP地址设置	
请求远程协助	
远程控制	
<u> </u>	
启动协助	
71381611 : 150.136.156.165	
確定 取消	
🟠 首页 🛛 🐬 返回 🏾 🗊 远程服务 🛛 🞯 使用帮助	

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 • rower	NEC Adapter	Applicable to CPU free switch connecting of NEC series.
# 35080 V5 •Ror Adapter • route	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.

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 white shell 9S12DG256; 10.7 ser (E66)9S12DG256; 11.CAS3 X5(E70)9S12XDP512; 12.CAS3 1 series 9S12XDP512; 13.CAS3 1 series 9S12XDP512; 14.CAS3 3 series 9S12XDP512; 15.CAS3 5 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)
	K&CAN Adapter CAN-OBD DMI

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

CECLASS	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/J850 (9-112) 4.W220 EIS 912DG128/J850 (9-80) 5.W215 EIS 912DG128/J850 (9-112) 6.W215 EIS 912DG128/J850 (9-112) 7.W215 EIS 912DG128/J850 (9-112) 10.R320 EIS 912DG128/J850 (9-112) 11.R320 EIS 912DG128/J850 (9-112) 13.W211 EIS 912DG128/J850 (9-112) 14.W211 EIS 912DG128/J850 (9-112) 15.W211 EIS 912DG128/J850 (9-112) 15.W211 EIS 912DG128/J850E (9-112) 16.W211 EIS 912DG128/J850E (9-112) 17.W209 EIS 912DG128/J850E (9-112) 18.W209 EIS 912DG128/J850E (9-112) 19.W209 EIS 912DG128/J850E (9-112) 20.W209 EIS 912DG128/J850E (9-112) 20.W209 EIS 912DG128/J850E (9-112) 20.W209 EIS 912DG128/J850E (9-112) 21.W219 EIS 912DG128/J850E (9-112) 22.W219 EIS 912DG128/J850E (9-112) 23.W219 EIS 912DG128/J8501 (9-112) 24.W219 EIS 912DG128/J8502 (9-112) 25.OId BMW EWS4 26.CAS1 7 series 912DG128(0K50E)9-112 28.CAS2 X5(E70

		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
W211 Adapter	W211 Adapter	Applicable to process of EIS ECU module for Benz E Class W221(2002-2005)
E65/E66 Adapter	E65/E66 Adapter	Applicable to process of CAS ECU module for BMW 7 series E65/E66(2002-2004)
CAS BDM Programmer Provece	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)

MC7 05 - PROG Adapter • rower	MC705-PROG Adapter	 S Class W140 DAS IMMO ECU 05X32(0D69J) S Class W140 DAS IMMO ECU 05X32(0D53J/0D62J) S Class W220 EIS ignition module 05X32(1D69J) CLK Class W208 EIS ignition module 05X32(1D69J) C Class W202 EIS ignition module 05X32(1D69J) E Class W210 EIS ignition module 05X32(1D69J) E Class W163 AAM 05X32(G47V/1D69J)
MC711 - PROG Adapter • rowst	MC711-PROG Adapter	Old BMW EWS2(2D47J,0D46J)/EWS3£ 2D47J,0D46J£©
NEC KEY Adapter	NEC KEY	Mercedes Benz S, C, E, SL, CL, CLK and CLS Class Key
EWS.K	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(05E6/0F82B) 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

LANDAR CONTRACTOR	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(05E6/0F82B); 8.C Class W203 ESL(05E6/0F82B);
Ø29F 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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