LEADING TRANSPONDER TECHNOLOGY

All applications in single hardware and single cable. Programming different brand passenger cars and trucks is not a dream with Zed-FULL.
Zed-FULL - Immobiliser Solutions by IEA

Zed-FULL is designed to meet all your needs related with electronic side of locksmithing and immobiliser systems. Zed-FULL has 5 different antennas for

* 125 Khz-134,2 Khz transponder reading – cloning - generating,
* Reading 13,56 Mhz hotel door cards& tags,
* Measuring 315, 433, 868 Mhz remote signals,
* Reading and cloning Holden Commodore remote keys
* Programming keys for VAG Group cars.

Regular updates will keep you at the top and one step ahead from all of your competitors.

Zed-FULL Main Features;
* Transponder reading(125 Khz, 134,2 Khz, 13,56 Mhz),
* Transponder, tag cloning (onto blank transponders, no need precoded & special transponders),
* Ability to write on almost all of writable transponders (EH1, EH2, TPX1, TPX2, TPX4, Z46-01, MD46, TS48, TK60, CN1, CN2 etc. and all OEM transponders),
* Transponder production, generation or converting applications,
* Eeprom applications (currently 264 different eeprom applications which covers thousands of car models)
* MCU, eeprom reading features for eeprom application (using various type of Zed-FULL MCU-eeprom reader adapters without using computer)
* OBD2 pin code extracting and transponder pre-coding applications,
* OBD2 Key-Remote-Proximity-Card programming and erasing applications,
* Truck OBD2 key programming applications,
* Mercedes IR Key programming, 1998-2015 all FBS3 system installed vehicles.
* Remote frequency test and identifying applications,
* OEM Remote key unlocking applications (LIFS does not include these applications, need to purchase each single pack)
* Transponder unlocking applications,
* Motorbike key programming applications via socket or as an eeprom application,
* ECU virginising applications (Fiat),
* Pin code calculation applications from labels, VIN numbers.
1- Cloning transponders (key to key)
- Fix codes;
  * 11 -onto T5(Sokymat), TK5551(Temic),
  * 12 -onto T5(Sokymat), TK5551(Temic),
  * 13 -onto T5(Sokymat), TK5551(Temic),
  * 14 -onto T5(Sokymat), TK5551(Temic),
  * 33 -onto T5(Sokymat), PCF7930(Philips), PCF7931(Philips),
  * 73 -onto T5(Sokymat), PCF7930(Philips), PCF7931(Philips), PCF7935(Philips)
  * 4C -onto EH1(Silca Electronic Head), EH2(Silca Electronic Head), TK23(Keyline Electronic Head),
    TK24(Keyline Electronic Head), Z4C(IEA glass transponder), TPX1(JMA glass transponder),
    CN2(China carbon transponder)
- Philips crypto(PCF7935 based);
  * Some 40 onto T5(Sokymat), PCF7930-PCF7931-PCF7935(Philips),
  * 41 onto PCF7935(Philips)
  * 42 onto PCF7935(Philips)
  * 44 (Unlock VAG) onto PCF7935(Philips)
  * 45 onto PCF7935(Philips)
- Philips crypto Hitag2
  * 46 -Hitag2 onto TPX3-TPX4(JMA Glass Transponder), TK60(Keyline Electronic Head),
    MD-46(IEA carbon transponder), internet connection is required for 46-Hitag2 cloning applications.
- Texas Crypto DST 4D(40 Bits)
  * 60, 61, 62, 63, 65, 67, 68, 69, 70 -onto EH2(Silca Electronic Head), TPX2(JMA Glass Transponder),
    CN2(Chinese Carbon Transponder)
  * 64 -onto EH2(Silca Electronic Head), TPX2(JMA Glass Transponder)
- Temic Crypto
  * 8C -onto blank TK5561A carbon transponder
- Megamos Crypto
  * Megamos48 (Unlock)- onto precoded Z48 glass transponders

2- Remote Cloning

One of the most important advantages of Zed FULL is cloning Fiat remotes with 48 transponders onto IEA made special emulator remotes(emulator1 and emulator2).
Moreover we have added Fiat 46-Hitag2 based remote cloning onto emulator3 with Zed-FULL.

<table>
<thead>
<tr>
<th>Emulator1:</th>
<th>1 button Fiat- Doblo, Albea, Punto, Palio(with 48 transponder)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emulator2:</td>
<td>2-3 buttons Fiat-Linea, Bravo, Stilo, Ypsilon(with 48 transponder)</td>
</tr>
<tr>
<td>Emulator3:</td>
<td>3 buttons flick remote to clone 46 based Fiat remotes</td>
</tr>
</tbody>
</table>

3- Eeprom and MCU Applications
Zed-FULL currently has 264 different eeprom applications. With eeprom applications, you can get pincode or generate precoded or working transponders for the car. You just need to remove immobox, ECU or BSI from the car and read the correct eeprom or MCU. Without need of computer, Zed-FULL will generate the transponder data or the pin code of the car. All the details related with the immobox, BSI, ECU will be shown on Zed-FULL screen. Making eeprom applications would not be easier than this way. In addition to this, Zed-FULL PC software also allows you to make eeprom applications if you already have binary, hex file of the eeprom & MCU.
4- OBD Applications

Zed-FULL is designed to extract the pincode automatically from the car through OBD port during key-remote programming procedure. Zed-FULL has VAG(Volkswagen, Audi, Skoda, Seat), Opel-Vauxhall, Renault-Dacia, Toyota-Lexus, Ford-Mazda(Europa, USA, Australia), Falcon, Fiat-Lancia-Alfa Romeo, Iveco, Daewoo-Chevrolet, Hyundai-Kia, Peugeot-Citroen, Nissan, Proton, Mitsubishi, Subaru, Honda, Isuzu, Chrysler, Dodge, Jeep, GMC, Cadillac, Buick, Saturn, Oldsmobile, Hummer, Pontiac, Infiniti, GM-Holden, Suzuki, Land Rover-Jaguar, BMW-Mini Cooper, Lincoln, Mercury, Renault-Volvo-DAF Truck(24Volt) key and remote programming functions via OBD-II port on the car. We also have some cables for motorbike and BMW which allow you to program key through immo box sockets, no need to remove any MCU or eeprom from boxes. Zed-FULL supports Vespa, Gilera, Piaggio, Peugeot motorbike key programming applications.

5- Transponder Production

To program a new key to a car, you should use suitable transponder inside the key. Instead of having all kinds of transponders suitable for all car brands, you can just keep a few types of cheap blank transponders in your stock to convert them into these precoded transponders to program via OBD-II. Zed-FULL allows you to produce almost all kind of precoded transponders using those blank transponders like PCF7930, PCF7931, PCF7935, PCF7936, Texas 4D-60 etc...

* 40 Opel, 41 Nissan, 42 VAG, 44 VAG-Mitsubishi, 45 Peugeot-Citroen transponders can be generated using blank PCF7935 transponders
* Different types of 33 transponders like Peugeot 33, Nissan 33, VAG 33, Renault 33 can be generated using PCF7930, PCF7931, PCF7935, T5 transponders.
* 61 Mitsubishi, 62 Mitsubishi, 63 Ford-Mazda, 65 Suzuki, 67 Toyota-Lexus, 68 Toyota-Lexus, 69 Toyota-Lexus, 70 Toyota-Lexus transponders can be generated using blank Texas 4D-60, TPX2 JMA glass or CN2 carbon 4C-4D transponders.
* 73 Mitsubishi transponders can be generated using blank PCF7930, PCF7931, PCF7935 transponders
* 46(Hitag-2) based Audi, Chevrolet, Chrysler, Citroen, Isuzu, Peugeot, Hyundai, Hona, Kia, GMC, Mitsubishi, Nissan, Opel, Porsche, Renault, Saab, Volkswagen etc...transponders can be generated using blank PCF7936 transponders.
* Mercedes E, C, G class master key transponders up to 1999 can be generated with Zed-FULL using blank PCF7935 transponders.

6- Transponder-Remote Recycling

Most of the remote keys can be used only once and can not be used for another vehicle if it is already programmed to a vehicle. In case of having some used remotes in stock, it would be very beneficial for locksmiths or car key services to be able to use these remote keys again. The only way for that is unlocking the remote key. Sometimes unlocking procedure can be done without replacing anything from the remote key, but sometimes there is no other way than replacing an IC from the remote key PCB board. Zed-FULL functions will assist you to unlock these used remotes to make more money with less cost.
7- PC Software, PC Connections and Updates

However Zed-FULL is designed to be used as a stand alone device without need of computer, it has USB2 port to communicate with computer. When it is plugged to computer via USB2 port, drivers will be installed automatically on Windows 7-8-10 OS. Zed-FULL PC software is used for these applications;

* Online transponder cloning applications
* Online pincode calculation applications
* Activations for some period of time (Zed-NET also can be used)
* Synchronisation applications to load new packs to Zed-FULL (Zed-NET also can be used)
* Updating Zed-FULL internal boards
* Eeprom applications
* Emulator unlocking
* Loading credits to Zed-FULL from credit bank (Zed-NET also can be used)

PC software will not work without Zed-FULL, and will work limited without internet connection. As soon as you run PC software on a computer with internet connection, it will check the device module board versions and will ask you to update the related boards if any new update exists. Update procedure is so easy to operate and will take about 3-5 minutes for each board inside Zed-FULL.

Zed-FULL has these units to be updated and once you run Zed-FULL PC software, it will check our server whether there is a new update or not.

* **Main Board** - Updates are mainly related with menus
* **Transponder Board** - Updates are mainly related with transponder reading-cloning applications
* **OBD Board** - Updates are mainly related with OBD applications
* **Remote Board** - Updates are mainly related with remote cloning applications and Mercedes IR Key programming applications
* **Eeprom Board** - Updates are mainly related with eeprom applications
* **SD card** - Updates are mainly related with the images, buttons you see on Zed-FULL screen. But sometimes it might be related with OBD or eeprom applications applications as well.
8- Hardware Details

* 7inch HD-TFT Touch Screen; With the high resolution and wide screen, you will enjoy using Zed-FULL. Wide screen will allow us to show all details of the applications on the screen like remote key to use during remote cloning, recycling and OBD applications, immo box and board pictures during eeprom applications, transponder types during transponder production, transponder cloning applications etc...

* Zed-FULL has just one OBD-II cable for all OBD-II applications. You won't be lost among many types of cables for OBD-II applications anymore.

* Steering wheel holder, will help you during OBD applications on the car. You may easily insert Zed-FULL on steering wheel and operate the device using touch screen to program keys and remotes to the car.

* Zed-FULL is designed to have all functions related with immobiliser in one device. So Zed-FULL will meet almost all of your needs for your key-remote programming service.

* Zed-FULL is the unique immobiliser device which supports both 12 and 24 Volt battery installed vehicles. That means trucks also can be programmed with Zed-FULL without need of any additional hardware.

* With Zed-FULL Probe cable, you can also check the voltage of car or remote key batteries. Also with same cable you can check the continuity of the wire connections during eeprom applications or any other application you may need to check wire connections.
9- Extended Applications

* Reading Km, chassis and key informations from original EWS BMW remotes and writing onto an original remote, Fiat Panda 46 pin code calculation from key,
* Nissan Almera and Primera 46 pincode calculation from key,
* Renault Symbol-Dacia Duster Continental Box 46 pincode calculation from key,
* Finding pincodes from keys for 33 Renault, 45 Peugeot, Reanult 60-64,*
* Hyundai & KIA pincode calculation from VIN number (supports up to 2007),
* Hyundai & KIA pincode calculation from key,
* Pincode calculation from Nissan ICU - SEC- BCM immobiliser box labels ,
* Unlocking Megamos 48 Magic-II tranponders,
* Unlimited customer database on PC software,
* 48 Unlockable CAN Bus tranponder programming,
* Tranponder catalouge; with help of this catalogue, you can learn which transponder is used for which vehicle on which year,
* Producing fix coded transponders (11, 12, 13, 33 Renault, Texas 4C ) from Eeprom datas,
* Reseting unlocked 4D-60 Texas crypto transponders,
* Measuring 315, 433, 868 Mhz remote frequencies,
* Reading and identifying 13,56 Mhz hotel door cards and tags.

10- Purchase ways of Zed-FULL

Istanbul Elektron Anahtar has a wide distribution network all over the world for Zed-FULL sales. It is important for us to give the best technical support and best functionalities for our clients. You may purchase Zed-FULL from your local IEA distributors or if you don’t have a local supplier in your country you can directly contact us from info@istanbulanahtar.com or sales@istanbulanahtar.com e-mail addresses.

There are 5 different ways to use Zed-FULL applications. For all kinds, first you should purchase a Zed-FULL Basic Unit then choose your option to use Zed-FULL softwares,

* **Credit system:** Pay as you go system. Every single application has a credit cost(standart packs coming with the hardware purchase are excluded).Instead of paying for software in advance, you may purchase credits to use applications. Credit cost for each application varies. **Credit system is not available for US & Canada market.**

* **Buying single software packs or software pack groups:** You can buy the most popular applications for your market which will be cheaper than spending credits each time. You may still purchase often used software packs and use rare applications with your credits (both systems can be used in the same device).
* **LIFS:** Unlimited use for all Zed-FULL applications (exceptions may apply ie: remote unlocking and online pin code applications) for certain time of period like 3 months, 6 months or 1 year moreover during subscription period, all software updates will be delivered free of charge.

* **Daily LIFS:** Unlimited use for all Zed-FULL applications (exceptions may apply ie: remote unlocking and online pin code applications) for 24 hours. Minimum 5 days of daily LIFS can be purchased each time.

* **Group LIFS:** Application specific subscription, for example, BMW obd programming group LIFS: includes all BMW obd applications. Good when Zed-FULL is used for specific applications and/or car brands only.

* **Zed-FULL standart kit includes these sw packs in it:**
  * All transponder reading applications (125Khz, 134,2 Khz, 13,56 Mhz Mifare)
  * All transponder cloning applications (Fixed, 42 Crypto, 44(Unlock) Crypto, 45 Crypto, 4D(40 Bit) Crypto, 46(Hitag2) Crypto, 48(Unlock) Crypto, 8C(TK5561) Crypto)
  * Most of transponder production applications
  * 1-159th eeprom applications (Total 264 different eeprom applications exist currently)
  * Remote key frequency counter
SINGLE TOOL FOR ALL CAR BRANDS

**SINGLE TOOL FOR 4 DIFFERENT APPLICATIONS**

TRANSPONDER CLONING
*All type of blank transponders can be used

REMOTE CLONING
*On to original shaped emulators

EEPROM & MCU APPLICATIONS
*Reading eeprom & Mcu
Generating key data
Precoding key
Pin code extraction
Over 1500 supported car models

OBD APPLICATION
*Support for all brands including latest models.
*12-24 v support
WIDEST PURCHASE OPTIONS FOR EVERY BUDGET

* SOFTWARE PURCHASE
Every single software can be purchased separately or as a pack.

* CREDITS
Pay as you go, full software and software updates are included.

* LIFS
Unlimited credits during LIFS period (3 - 6 - 12 months)
Full software and software updates are included

* DAILY LIFS
Unlimited credits for 24 hours full software and software updates are included.
Each day can be activated individually.

* GROUP LIFS
Unlimited credits during Group LIFS period just for a particular car brand (6 - 12 months)
Software updates are included.

***Maximum flexibility***
All options can be applied to the same device separately or together; some applications can be purchased and the rest can be used with credits.
VW, SKODA, SEAT, AUDI KEY PROGRAMMING UP TO LATEST MODELS

VDD CLUSTER SYSTEMS
2013-2014 Years - Vw, Seat, Skoda

VDO CLUSTER SYSTEMS
2010-2013 Years - Vw, Seat, Skoda

JOHNSON CONTROL CLUSTER SYSTEMS
2010-2014 Years - Vw, Seat, Skoda

CAN BUS AND K-LINE ECUS
2000-2010 Years Vw, Skoda, Seat, Audi

MAGNETTI MARELLI
2010-2014 Years - Vw, Seat, Skoda

EKS-KESSY SYSTEMS
Audi A6-Q7 upto 2010

CAN BUS INSTRUMENT CLUSTER
Support for VDO microns and Visteon clusters

K-LINE INSTRUMENT CLUSTER
Almost all type of K-line Clusters
FIAT, ALFA ROMEO, LANCIA OBD

NO MORE REMOVING BOX
NO MORE SOLDERING-DESOLDERING
PIN CODE EXTRACTION, PRECODING VIA OBD
PROGRAMMING EMULATOR REMOTES AND IEA MADE REMOTES (ORIGINAL SHAPED)
BOTH 48 AND 46 TRANSPONDER BASED FIAT CARS.
MOTORBIKE VIA SOCKET
VESPA-PIAGGIO-GILERA

*NO MORE DIGGING HOLE ON THE BOX
*NO MORE SOLDERING-DESOLDERING
*SIMPLE AS PLUGGING CABLES TO THE PINS
OBD APPLICATION

VOLKSWAGEN, AUDI, SKODA, SEAT, FIAT, ALFA ROMEO, LANCIA, FORD MAZDA, RENAULT, DACIA, BMW, PEUGEOT, CITROEN, TOYOTA, SUZUKI, SUBARU, MITSUBISHI, NISSAN, OPEL, LAND ROVER, LINCOLN, MERCURY, HYUNDAI, KIA, JAGUAR, ISUZU, PROTON, CHRYSLER, JEEP, DODGE CHEVROLET, CADILLAC, BUICK, SATURN, OLDSMOBILE, HUMMER, GMC, PONTIAC, INFINITI, MINI COOPER, HONDA, LEXUS, IVECO, VAUXHALL, HOLDEN.

MOTORBIKES:
VESPA, GILERA, PIAGGIO, PEUGEOT

TRUCKS:
VOLVO, RENAULT, DAF

*SINGLE UNIVERSAL CABLE
*SUPPORT FOR 12 AND 24 VOLTS
*PIN CODE EXTRACTION
*PRECODING TRANSPONDER
*REMOTE AND KEY PROGRAMING
*SMART KEY PROGRAMMING
*PROXIMITY KEY PROGRAMMING
*ADD KEY AND ERASE KEY FUNCTIONS
EEPROM & MCU APPLICATIONS

* Built in Eeprom and Mcu Programmer.
* Various models are supported (Over 1500 different cars).
* Pin code reading.
* Precoding transponder.
* Programming transponder to start the car.
* Programming emulator remotes.

* Stand alone use, no need for pc and programmer.
* Widest options for blank transponder selection.
* Option to use via pc software.
* Ability to save files to Pc.
* Detailed pictures of the immo units and application modules.
* Continuous updates
FIAT, ALFA ROMEO, LANCIA
ECU VIRGIN & EEPROM READ

*THROUGH PINS USING ORIGINAL SOCKET
"M.MARELLI"; 5SF3(HW300), 5SF(HW>200), 5NF_Tx

*THROUGH PINS USING Zed-FULL UNIVERSAL CABLE
"M.MARELLI"; 59F(HW<100), 59F(HW002), 59F(HW>100), 5AF(HW>100), 4AF(HW>100), 4EF(HW>100), 5SF3(HW300), 5SF(HW>200), 5NF_Tx, MJD6F3, MJD6JF, 8GMF, 8F3.
"BOSCH"; ME7.3.1(253,254)- ME7.3(313,314)- EDC15

*THROUGH OBD
"M.MARELLI"; 59F(HW<100), 59F(HW002), 59F(HW>100), 5AF(HW>100), 4AF(HW>100), 4EF(HW>100), 5SF3(HW300), 5SF(HW>200), 5NF_Tx, MJD6F3, MJD6JF, 8GMF, 8F3.
"BOSCH"; EDC15.
Zed-FULL Wi-Fi Module
*Connect to the internet without a pc
*Updates, synchronisation, transponder cloning
all online applications are on the Zed-FULL now
*All you need is a wireless internet connection and Zed-NET

Once switch Power to “ON” and press “Scan”
“Connect” to internet.

1- Zed-NET connection settings
2- Zed-FULL Activation & Synchronisation

Press “Activation” to reactivate Zed-FULL.
Press “Synchronisation” to sync Zed-FULL
in case of need.

After reading 4D transponder select “Zed-NET”
option for internet cloning without need of
Zed-FULL PC Software.
Some 48 transponder can be cloned with Zed-FULL.

Cloning can be done onto precoded Z48 glass transponder.
Zed-FULL Mercedes-Benz
IR Key Programming Application

- As long as the working key can be read with IR-PROG, Zed-FULL can program a new key for all Mercedes-Benz vehicles between 1998-2015 using Mercedes-Benz BGA/FBS3 kit. (ZFH-MCA, Zed-NET, IR-PROG, ZFH-UTE required).
- It can also generate new key even if all keys are lost with the help of ZFH-UTE (emulator/sniffer key), ZFH-MCA (multi connection adapter), Zed-NET (wifi module) and IR-PROG.
- Easy and safe way of doing IR Mercedes keys.
- No PC required, just use MCU reader adapters.
- No extra key calculator dongle required, fast calculation.
- Self explaining steps, easy to follow procedure.
- Best quality reusable emulator remotes.
- EIS/EIS connection cable (ZFH-C09) included.
- Quick test after key programming (using ZFH-MB TEST KIT or ZFH-UTE or OBD2).
- For further details please see “Mercedes-Benz Application Guide” document.
Zed-FULL
PCF79XX Remote Key Unlocking Application

AUDI, BMW, BUICK, CADILLAC, CHEVROLET, CHRYSLER, CITROEN, DODGE, HYUNDAI, JEEP, KIA, LAND ROVER, MITSUBISHI, NISSAN, OPEL, PEUGEOT, PORSCHE, RANGE ROVER, RENAULT, VOLVO

OEM remote key unlocking feature.

For further details please see “Zed-FULL PCF79XX Remote Key Recycling Application User Manual” document.
BMW CAS 2, 3, 3+ PROGRAMMING THROUGH PINS

*THROUGH PINS USING
Zed-FULL
ZFH-C04 CABLE

- This application is good for working on the bench, all these applications can be done via OBD as well.
- 2005 to 2011 CAS2, CAS3, CAS3+ systems
- Easy and fast programming with visual step by step instructions.
- Original and after market remotes can be programmed.
- Used remotes can be unlocked (used with Zed-FULL only)
Zed-FULL Mifare Reading & Cloning

* Read 13.56 mhz Mifare cards.
* Read and Clone Kale X5 Automats.
* Read and Clone Kale X5 Access Cards.
* Produce Kale X5 Access Cards.

Identify cards bellow;

* Mifare Clasic 1K,
* Mifare Clasic 4K,
* Mifare Ultralight,
* Mifare Desfire 2K,
* Mifare Desfire 4K,
* Mifare Desfire 8K,
* Mifare Plus.
REMOTE CLONING APPLICATION

FIR105 (EMULATOR 1)
- ID: 48
- FIAT: DOBLO, ALBEA, PALIO, PUNTO
- 1 BUTTON FLICK REMOTE KEY
- 433 MHZ KEY PROFILE: SIP22

FIR114 (EMULATOR 1)
- ID: 48
- FIAT: DOBLO, ALBEA, PALIO, PUNTO
- 1 BUTTON BLUE REMOTE KEY
- 433 MHZ KEY PROFILE: SIP22

FIR115 (EMULATOR 1)
- ID: 48
- FIAT: DOBLO, ALBEA, PALIO, PUNTO
- 1 BUTTON BLACK REMOTE KEY
- 433 MHZ KEY PROFILE: SIP22

FIR106 (EMULATOR 2)
- *FIAT: LINEA, BRAVO, STILO,
  *Citroen: Jumper-Delay *Peugeot: Boxer
  *Lancia-Ypsilon *Iveco: Daily-Eurocargo
- 3 BUTTON - ID:48 - 433MHZ

FIR107 (EMULATOR 3)
- *FIAT: BRAVO, DUCATO, NEW DOBLO, FIORINO GRANDE PUNTO, 500, 500L,*Alfa Romeo: Mito
  *Citroen: Nemo *Peugeot:Bi~pper Tepe
- 3 BUTTON - ID: 46 (PCF7946-47) - 433MHZ
IEA PRODUCTION REMOTE KEYS

**AUR115E**
- ID: 46
- IEA AUDI SMART REMOTE KEY 434 MHz - WITHOUT KEYLESSGO

**AUR116E**
- ID: 46
- IEA AUDI SMART REMOTE KEY 868 MHz - WITHOUT KEYLESSGO

**AUR117E**
- ID: 46
- IEA AUDI SMART REMOTE KEY 315 MHz - WITHOUT KEYLESSGO

**AUR118E**
- ID: 46 - IEA AUDI SMART REMOTE KEY 315 MHz - WITHOUT KEYLESS GO WITH LONG KEY METAL

**AUR119E**
- ID: 46 - IEA AUDI SMART REMOTE KEY 868 MHz - WITHOUT KEYLESS GO WITH LONG KEY METAL

**AUR120E**
- ID: 46 - IEA AUDI SMART REMOTE KEY 315 MHz - WITHOUT KEYLESS GO WITH LONG KEY METAL

**BMR102+**
- ID: 33
- IEA BMW (1-3-5-E-X) SERIES 433MHz 3 BUTTON FLICK REMOTE KEY F CLASS SHAPE

**BMB102+**
- IEA BMW REMOTE BOARD (1-3-5-E-X) SERIES - 433MHz

**BMR104+**
- ID: 46
- IEA BMW CAS2 (3-5) SERIES 868MHz 3 BUTTON REMOTE KEY CAS4 SHAPE MODIFIED

**BMB104+**
- IEA BMW REMOTE BOARD CAS2 (3-5) SERIES - 868MHz

**BMR105+**
- ID: 46
- IEA BMW (3-5-X) SERIES 868MHz SMART REMOTE WITH EMERGENCY KEY

**BMB105+**
- IEA BMW SMART REMOTE BOARD (3-5-X) SERIES 868MHz

**BMR106+**
- ID: 46 - IEA BMW 7 SERIES 4 BUTTON SMART REMOTE - 434MHz (WITHOUT BATTERY) WITH EMERGENCY KEY

**BMB106+**
- IEA BMW 4 BUTTON SMART REMOTE BOARD 7 SERIES - 434MHz
IEA PRODUCTION REMOTE KEYS

**BZR117E**
IEA MERCEDES 3 BUTTON REMOTE KEY
FOR ALL FBS3 VEHICLES
BE - 433MHz - NEC PROCESSOR

**BZR118E**
IEA MERCEDES 3 BUTTON REMOTE KEY
FOR ALL FBS3 VEHICLES
BE - 315MHz - NEC PROCESSOR

**BZB117E**
IEA MERCEDES 3 BUTTON REMOTE BOARD
FOR ALL FBS3 VEHICLES
BE - 433MHz - NEC PROCESSOR

**BZB118E**
IEA MERCEDES 3 BUTTON REMOTE BOARD
FOR ALL FBS3 VEHICLES
BE - 315MHz - NEC PROCESSOR

**CADR101+**
ID: 46
IEA CADILLAC 5 BUTTON 315 MHz
KEYLESS GO - 10 MIN. BYPASS
REMOTE WITH EMERGENCY KEY

**CADB101+**
IEA CADILLAC 5 BUTTON KEYLESS GO
REMOTE BOARD - 315 MHz

**CHYR104+**
ID: 46
IEA CHRYSLER 3 BUTTON REMOTE
433 MHz - NON FLICK REMOTE

**CHYB104+**
IEA CHRYSLER 3 BUTTON REMOTE BOARD
433 MHz

**CHYR105+**
ID: 46
IEA CHRYSLER 3 BUTTON 433 MHz FOBIK REMOTE

**CHYR106+**
ID: 46
IEA CHRYSLER FOBIK 4 BUTTON REMOTE BOARD
433 MHz - WITH "BOOT" PICTURE
WITH EMERGENCY KEY

**CHYR107+**
ID: 46
IEA CHRYSLER FOBIK 3+1 PANIC
4 BUTTON
433 MHz - WITH "X2" PICTURE
WITH EMERGENCY KEY

**CHYB105+**
IEA CHRYSLER FOBIK 7 BUTTON
REMOTE BOARD - 433 MHz

**CHYR108+**
ID: 46
IEA CHRYSLER FOBIK 4+1 PANIC
4 BUTTON
433 MHz - WITH "X2" AND
"BOOT" PICTURE WITH EMERGENCY KEY

**CHYR110+**
ID: 46
IEA CHRYSLER 3 BUTTON REMOTE
315 MHz NON FLICK REMOTE

**CHYB110+**
IEA CHRYSLER 3 BUTTON REMOTE BOARD
315 MHz

**CHYR111+**
ID: 46
IEA CHRYSLER FOBIK 2+1 PANIC
2 BUTTON
433 MHz

**CHYB111+**
IEA CHRYSLER FOBIK 2+1 PANIC
2 BUTTON REMOTE BOARD - 433 MHz

All products without ● or ○ can be programmed with any diagnostic tool.
For Zed-FULL applications use only this product.
Must be precoded with Zed-FULL.

IEA PRODUCTION REMOTE KEYS

CPR120+
- ID: 46
- ISEA PEUGEOT-CITROEN 2-3 BUTTON 433MHz - PCF7941 UNLOCKABLE(ASK->FSK)

CPB120+
- ISEA PEUGEOT-CITROEN 2-3 BUTTON PCF7941 433MHz UNLOCKABLE(ASK->FSK) (ONLY PCB BOARD)

CPR121+
- ID: 46
- ISEA PEUGEOT-CITROEN 2 BUTTON 433MHz PCF7941 UNLOCKABLE(ASK->FSK)

CPB121+
- ISEA PEUGEOT-CITROEN 2 BUTTON 433MHz PCF7941 UNLOCKABLE(ASK->FSK) (CPB115-CPR102 SAME) (ONLY PCB BOARD)

CPR122+
- ID: 46
- PEUGEOT-CITROEN 3 BUTTON 433MHz PCF7941 UNLOCKABLE(ASK->FSK)

CPB122+
- ISEA PEUGEOT-CITROEN 3 BUTTON 433MHz PCF7941 UNLOCKABLE FLICK REMOTE (ASK->FSK)

CPR123+
- ID: 46
- ISEA PEUGEOT-CITROEN 3 BUTTON 433MHz PCF7961 UNLOCKABLE FLICK REMOTE (ASK->FSK)

CPB123+
- ISEA PEUGEOT-CITROEN 3 BUTTON 433MHz PCF7961 UNLOCKABLE FLICK BOARD (ASK->FSK)

CPR124+
- ID: 46
- ISEA PEUGEOT 408 3 BUTTON 433MHz PCF7961 FLICK REMOTE KEY (WITHOUT BATTERY)

CPB124+
- ISEA PEUGEOT 408 3 BUTTON 433MHz PCF7961 FLICK REMOTE BOARD

FIR102E (Delphi BSI System)
- ID: 46
- ISEA FIAT: Fiorino - PEUGEOT: Bipper, Tepee - CITROEN: Nemo - 3 BUTTON REMOTE KEY PCF7946-433 MHz KEY PROFILE: SIP22

FIB102E
- ISEA FIAT FIORINO 3 BUTTON REMOTE BOARD - 433 MHz (FIR102E BOARD)

FIR103+ (Delphi BSI System)
- ID: 46
- ISEA DOBLO DELPHI HITAG2 434 MHz FLICK REMOTE (WITHOUT BATTERY)

FIB103+
- ISEA DOBLO DELPHI HITAG2 434 MHz FLICK REMOTE BOARD (WITHOUT BATTERY)

FIR104+ (M. Marelli BSI System)
- ID: 46
- ISEA MG.MARELLI DUCATO, PEU. BOXER HITAG2 434MHz - PCF7946 FLICK REMOTE (WITHOUT BATTERY)

FIB104+
- ISEA MG.MARELLI DUCATO, PEU. BOXER HITAG2 434MHz - PCF7946 FLICK REMOTE BOARD (WITHOUT BATTERY)

FIR104E (M. Marelli BSI System)
- ID: 46

FIB104E
- MAGNETI MARELLI DUCATO, PEU. BOXER REMOTE BOARD - 433 MHz (FIR104E BOARD WITH WHITE LOGO)

All products without ● or ○, can be programmed with any diagnostic tool.
<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>FIR119+</td>
<td>ID: 46, IEA Fiat Freemont 4+1 Button Smart Remote 433 MHz Hitag2 PCF7945A (With Blade) (Without Battery)</td>
</tr>
<tr>
<td>FIB119+</td>
<td>ID: 48, FIAT EGEA 3 Button Megamos AES Flick Remote - 433 MHz</td>
</tr>
<tr>
<td>FIR129E</td>
<td>ID: 48, FIAT EGEA 4 Button Remote Board 433 MHz (FIR129E Board)</td>
</tr>
<tr>
<td>FOR104+</td>
<td>ID: 46, IEA Ford C-Max 3 Button Flick Remote 433 MHz (With Key Blade) (Without Battery)</td>
</tr>
<tr>
<td>FOB104+</td>
<td>ID: 46, IEA Ford C-Max 3 Button Flick Remote Board 433 MHz (Only PCB Board)</td>
</tr>
<tr>
<td>FOR120+</td>
<td>ID: 46, IEA Ford Fusion 3+1 Button 315 MHz PCF7945 Flick Remote (With Key Blade) (Without Battery)</td>
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<tr>
<td>FOB120+</td>
<td>ID: 46, IEA Ford Fusion 3+1 Button 315 MHz PCF7945 Flick Board</td>
</tr>
<tr>
<td>FOR121+</td>
<td>ID: 46, IEA Ford 4+1 Button 434 MHz PCF7945A Flick Remote (With Key Blade) (Without Battery)</td>
</tr>
<tr>
<td>FOB121+</td>
<td>ID: 46, IEA Ford 4+1 Button 434 MHz PCF7945A Flick Board</td>
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<tr>
<td>FOR122+</td>
<td>ID: 46, IEA Ford 4+1 Button 315MHz PCF7945A Flick Remote (With Key Blade) (Without Battery)</td>
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<tr>
<td>FOB122+</td>
<td>ID: 46, IEA Ford 4+1 Button 315MHz PCF7945A Flick Board</td>
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<tr>
<td>FOR123+</td>
<td>ID: 46, IEA Ford Edge 4+1 Button 315MHz PCF7945 KeylessGO Remote (With Key Blade) (Without Battery)</td>
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<tr>
<td>FOB123+</td>
<td>ID: 46, IEA Ford Fusion 4+1 Button 315MHz PCF7945 KeylessGO Board</td>
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<tr>
<td>FOR124+</td>
<td>ID: 46, IEA Ford 150 3+1 Button 315MHz PCF7945A Non-Flick Remote (With Key Blade) (Without Battery)</td>
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<tr>
<td>FOB124+</td>
<td>ID: 46, IEA Ford 150 3+1 Button 315MHz PCF7945A Non-Flick Board</td>
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<tr>
<td>HOR112+</td>
<td>ID: 46, IEA Honda 2012+ After 3 Button Flick Remote - 433 MHz</td>
</tr>
<tr>
<td>HOB112+</td>
<td>ID: 46, IEA Honda 2012+ After 3 Button Remote Board - 433 MHz</td>
</tr>
<tr>
<td>HOR113+</td>
<td>ID: 46, IEA Honda 2012+ After 2 Button Flick Remote - 433 MHz</td>
</tr>
<tr>
<td>HOB113+</td>
<td>ID: 46, IEA Honda 2012+ After 2 Button Remote Board - 433 MHz</td>
</tr>
<tr>
<td>Model</td>
<td>Description</td>
</tr>
<tr>
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<tr>
<td>HYR104+</td>
<td><strong>IEA HYUNDAI I35 NEW ELENTRA</strong> 3 BUTTON SMART REMOTE</td>
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<tr>
<td>HYB104+</td>
<td><strong>IEA HYUNDAI I35 NEW ELENTRA</strong> 3 BUTTON SMART REMOTE BOARD</td>
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<tr>
<td>HYR115+</td>
<td><strong>IEA HYUNDAI I10</strong> HITAG2 PCF7945A / PCF7953A 434 MHz KEYLESSGO REMOTE (89500)</td>
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<tr>
<td>HYB115+</td>
<td><strong>IEA HYUNDAI I10</strong> HITAG2 PCF7945A / PCF7953A 434 MHz KEYLESSGO REMOTE (89500)</td>
</tr>
<tr>
<td>JPR103+</td>
<td><strong>IEA JEEP 2+1 PANIC BUTTON FOB</strong> REMOTE 433MHZ PCF7961M HITAG AES (WITHOUT BATTERY) WITH EMERGENCY KEY</td>
</tr>
<tr>
<td>JPB103+</td>
<td><strong>IEA JEEP 2+1 PANIC BUTTON FOB</strong> REMOTE 433MHZ PCF7961M HITAG AES BOARD</td>
</tr>
<tr>
<td>JPR104+</td>
<td><strong>IEA JEEP 3+1 PANIC BUTTON FOB</strong> REMOTE 433 MHZ PCF7961M HITAG AES (WITHOUT BATTERY) WITH EMERGENCY KEY</td>
</tr>
<tr>
<td>JPB104+</td>
<td><strong>IEA JEEP 3+1 PANIC BUTTON FOB</strong> REMOTE 433 MHZ PCF7961M HITAG AES BOARD</td>
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<tr>
<td>LRR102+</td>
<td><strong>IEA LAND ROVER(LR3. RRS)</strong> 3 BUTTON 433 MHZ FLECK REMOTE</td>
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<td>LRB102+</td>
<td><strong>IEA LAND ROVER(LR3. RRS)</strong> REMOTE BOARD - 433 MHZ</td>
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<td>LRR103+</td>
<td><strong>IEA RANGE ROVER S BUTTON</strong> 433 MHZ - SMART KEYLESS GO REMOTE</td>
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<tr>
<td>LRB103+</td>
<td><strong>IEA RANGE ROVER S BUTTON</strong> SMART KEYLESSGO REMOTE BOARD 433 MHZ</td>
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<tr>
<td>LRR108+</td>
<td><strong>IEA LAND ROVER FREE LANDER S BUTTON</strong> 434 MHZ - SMART REMOTE</td>
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<tr>
<td>LRB108+</td>
<td><strong>IEA LAND ROVER FREE LANDER S BUTTON</strong> SMART REMOTE BOARD</td>
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<tr>
<td>NIR109E</td>
<td><strong>IEA NISSAN MICRA, NOTE, QASHQAI</strong> 2 BUTTON REMOTE KEY PCF7946 - 433MHZ</td>
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<tr>
<td>NIB109E</td>
<td><strong>IEA NISSAN MICRA, NOTE, QASHQAI</strong> 2 BUTTON REMOTE BOARD PCF7946 - 433MHZ</td>
</tr>
<tr>
<td>NIR110E</td>
<td><strong>IEA NISSAN MICRA, NOTE, QASHQAI</strong> 2 BUTTON REMOTE KEY PCF7946 - 433MHZ</td>
</tr>
<tr>
<td>NIB110E</td>
<td><strong>IEA NISSAN MICRA, NOTE, QASHQAI</strong> 2 BUTTON REMOTE BOARD PCF7946 - 433MHZ</td>
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## IEA Production Remote Keys

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<tr>
<th>Remote Key</th>
<th>Description</th>
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<tr>
<td>NIR111+</td>
<td>IFA NISSAN QASHQAI, XTRAIL 3 button Hitag AES Keyless Go Smart 433 MHz with blade</td>
</tr>
<tr>
<td>NIB111+</td>
<td>IFA NISSAN: QASHQAI, XTRAIL 3 button Hitag AES Keyless Go Smart 433 MHz Remote Board</td>
</tr>
<tr>
<td>NIR116+</td>
<td>IFA NISSAN SMART 3+1 Panic Button Hitag AES Keyless Go Remote 315 MHz with emergency key</td>
</tr>
<tr>
<td>NIB116+</td>
<td>IFA NISSAN SMART 3+1 Panic Button Hitag AES Keyless Go Board 315 MHz (only PCB board)</td>
</tr>
<tr>
<td>NIR118+</td>
<td>IFA NISSAN SMART 4+1 Panic Button Keyless Go 434 MHz remote (with emergency key) (without battery)</td>
</tr>
<tr>
<td>NIB118+</td>
<td>IFA NISSAN SMART 4+1 Panic Button Keyless Go 434 MHz board (with emergency key) (without battery)</td>
</tr>
<tr>
<td>NIR119+</td>
<td>IFA NISSAN SMART 3+1 Panic Button Hitag AES Keyless Go Remote PCF7953M 315 MHz with emergency key</td>
</tr>
<tr>
<td>NIB119+</td>
<td>IFA NISSAN 3+1 Panic Button KeylessGo PCF7952M 315 MHz Remote Board</td>
</tr>
<tr>
<td>NIR120+</td>
<td>IFA NISSAN SMART 4+1 Panic Button KeylessGo PCF7952A 434 MHz Remote (with emergency key) (without battery)</td>
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<tr>
<td>NIB120+</td>
<td>IFA NISSAN 4+1 Panic Button KeylessGo PCF7952XTT 434 MHz Remote (with emergency key) (without battery)</td>
</tr>
<tr>
<td>NIR121+</td>
<td>IFA NISSAN 3+1 Panic Button KeylessGo PCF7952XT 434 MHz Remote Board</td>
</tr>
<tr>
<td>NIB121+</td>
<td>IFA NISSAN 3+1 Panic Button KeylessGo PCF7952XTT 434 MHz Remote Board</td>
</tr>
<tr>
<td>OPR109+</td>
<td>IFA OPEL VECTRA C 3 button Hitag2 PCF7946 434 MHz Flick Remote (without battery) (Delphi) [31893118]</td>
</tr>
<tr>
<td>OPB109+</td>
<td>IFA OPEL VECTRA C 3 button Hitag2 PCF7946 434 MHz Flick Remote Board</td>
</tr>
<tr>
<td>OPR109E</td>
<td>IFA OPEL VECTRA C PCF7946 (only PCB board)</td>
</tr>
<tr>
<td>OPB109E</td>
<td>IFA OPEL VECTRA C PCF7946 (only PCB board) (with blade) (without battery)</td>
</tr>
<tr>
<td>OPR110+</td>
<td>IFA OPEL ASTRA J 2 button Flick Remote Key Unlock - 10 min bypass - 433 MHz</td>
</tr>
<tr>
<td>OPB110+</td>
<td>IFA OPEL ASTRA J 2 button Remote Board 433 MHz</td>
</tr>
<tr>
<td>OPR115+</td>
<td>IFA OPEL ASTRA J - INSIGNIA 3 button Flick Remote Key Unlock - 10 min bypass - 433 MHz</td>
</tr>
<tr>
<td>OPB115+</td>
<td>IFA OPEL ASTRA J - INSIGNIA 3 button Remote Board 433 MHz</td>
</tr>
<tr>
<td>Model</td>
<td>Description</td>
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<tr>
<td>-----------</td>
<td>-----------------------------------------------------------------------------</td>
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<tr>
<td>RNR102E</td>
<td>Renault Symbol/Clio II/Kangoo II 1 button remote key PCF7946 - 433MHz key profile: NE73</td>
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<tr>
<td>RNR102E</td>
<td>Renault Symbol/Clio II/Kangoo II 1 button remote board PCF7946 - 433MHz</td>
</tr>
<tr>
<td>RNR103E</td>
<td>Renault Master 2 button PCF7946 remote (without battery)</td>
</tr>
<tr>
<td>RNR103E</td>
<td>Renault Master 2 button PCF7946 (only PCB board)</td>
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<tr>
<td>RNR105E</td>
<td>Renault traffic, master Opel Movano 433MHz PCF7946 (without battery)</td>
</tr>
<tr>
<td>RNR105E</td>
<td>Renault traffic, master Opel Movano 433MHz PCF7946 (only PCB board)</td>
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<tr>
<td>RNR108E</td>
<td>Renault Clio II, Kangoo II remote PCF7946 433MHz (without battery)</td>
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<tr>
<td>RNR108E</td>
<td>Renault Clio II, Kangoo II remote PCF7946 433MHz (only PCB board)</td>
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<tr>
<td>RNR109E</td>
<td>Renault Clio III, Kangoo III remote PCF7947 433MHz (without battery)</td>
</tr>
<tr>
<td>RNR109E</td>
<td>Renault Clio III, Kangoo III remote PCF7947 433MHz (only PCB board)</td>
</tr>
<tr>
<td>RNR114E</td>
<td>Renault Megane II smart remote PCF7947 (without battery)</td>
</tr>
<tr>
<td>RNR114E</td>
<td>Renault Megane II smart remote PCF7947 (only PCB board)</td>
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<tr>
<td>RNR115+</td>
<td>Renault Megane III, Fluence, Latitude Card keyless go PCF7952A 434MHz (without battery)</td>
</tr>
<tr>
<td>RNR115+</td>
<td>Renault Megane III, Fluence, Latitude 4 button keyless go PCF7952A 434MHz card board</td>
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<tr>
<td>RNR119E</td>
<td>Renault Laguna II smart remote PCF7947 (without battery)</td>
</tr>
<tr>
<td>RNR119E</td>
<td>Renault Laguna II smart remote PCF7947 (only PCB board)</td>
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<tr>
<td>RNR125E</td>
<td>Renault Clio III, Kangoo III, Modus III 2 button flick remote PCF7947 433MHz (without battery)</td>
</tr>
<tr>
<td>RNR125E</td>
<td>Renault Clio III, Kangoo III, Modus III 2 button flick board PCF7947 433MHz (only PCB board)</td>
</tr>
<tr>
<td>RNR126E</td>
<td>Renault Fluence 3 button flick remote PCF7961 433MHz (without battery)</td>
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<tr>
<td>RNR126E</td>
<td>Renault Fluence 3 button board PCF7961 433MHz (RNR126's board)</td>
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<tr>
<td>Remote Code</td>
<td>Description</td>
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<tr>
<td><strong>RNR133+</strong></td>
<td>IEA RENAULT CLIO IV 4 BUTTON KEYLESSGO REMOTE 433 MHZ PCF7953M WITH EMERGENCY KEY (WITHOUT BATTERY)</td>
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<tr>
<td><strong>RNB133+</strong></td>
<td>IEA RENAULT CLIO IV 4 BUTTON KEYLESSGO PCF7953A 434 MHZ CARD BOARD (WITHOUT BATTERY) (RNR133+)</td>
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<tr>
<td><strong>RNR143E</strong></td>
<td>IEA RENAULT MEGANE III CARD KEY 433 MHZ PCF7961 NON-KEYLESSGO (WITHOUT BATTERY)</td>
</tr>
<tr>
<td><strong>RNB143E</strong></td>
<td>IEA RENAULT MEGANE III CARD KEY 433 MHZ PCF7961ATT NON-KEYLESSGO BOARD (ONLY PCB BOARD)</td>
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<tr>
<td><strong>RNR144E</strong></td>
<td>IEA RENAULT CLIO IV CARD KEY 433 MHZ PCF7961 WITH EMERGENCY KEY NON-KEYLESSGO (WITHOUT BATTERY)</td>
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<tr>
<td><strong>RNB144E</strong></td>
<td>IEA RENAULT CLIO IV CARD KEY 433 MHZ PCF7961 NON-KEYLESSGO (ONLY PCB BOARD)</td>
</tr>
<tr>
<td><strong>RNR152E</strong></td>
<td>IEA RENAULT-DACIA 2 BUTTON PCF7961M HITAG AES NON-FUCK REMOTE (WITHOUT LOGO AND BATTERY)</td>
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<tr>
<td><strong>RNB152E</strong></td>
<td>IEA RENAULT-DACIA 2 BUTTON PCF7961M HITAG AES REMOTE BOARD (ONLY PCB BOARD)</td>
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<tr>
<td><strong>RNR154E</strong></td>
<td>IEA RENAULT - DACIA 3 BUTTON FLICK REMOTE NEW HITAG AES 7961M (WITH LASER METAL BLADE, WITHOUT BATTERY)</td>
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<tr>
<td><strong>RNB154E</strong></td>
<td>IEA RENAULT - DACIA 3 BUTTON BOARD NEW HITAG AES (7961M) 433 MHZ RNR154's BOARD</td>
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<tr>
<td><strong>RNR155E</strong></td>
<td>IEA RENAULT - DACIA 3 BUTTON FLICK REMOTE NEW HITAG AES 7961M (WITH REGULAR LONG MILLING METAL BLADE, WITHOUT BATTERY)</td>
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<td><strong>RNB155E</strong></td>
<td>IEA RENAULT - DACIA 3 BUTTON BOARD NEW HITAG AES (7961M) 433 MHZ RNR155's BOARD</td>
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<tr>
<td><strong>RNR156E</strong></td>
<td>IEA RENAULT - DACIA 3 BUTTON NON-FUCK REMOTE NEW HITAG AES 7961M (WITH SHORT MILLING REGULAR METAL BLADE, WITHOUT BATTERY)</td>
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<td><strong>RNB156E</strong></td>
<td>IEA RENAULT - DACIA 3 BUTTON BOARD NEW HITAG AES (7961M) 433 MHZ RNR156's BOARD</td>
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<tr>
<td><strong>RNR157E</strong></td>
<td>IEA RENAULT - DACIA 2 BUTTON NON-FUCK REMOTE NEW HITAG AES 7961M (WITH SHORT MILLING REGULAR METAL BLADE, WITHOUT BATTERY)</td>
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<tr>
<td><strong>RNB157E</strong></td>
<td>IEA RENAULT - DACIA 2 BUTTON BOARD NEW HITAG AES (7961M) 433MHZ RNR157's BOARD</td>
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<tr>
<td><strong>RNR158E</strong></td>
<td>IEA RENAULT - DACIA 2 BUTTON NON-FUCK REMOTE NEW HITAG AES 7961M (WITH LONG MILLING REGULAR METAL BLADE, WITHOUT BATTERY)</td>
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<tr>
<td><strong>RNB158E</strong></td>
<td>IEA RENAULT - DACIA 2 BUTTON BOARD NEW HITAG AES (7961M) 433MHZ RNR158'S BOARD</td>
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<tr>
<td><strong>RNR159E</strong></td>
<td>IEA RENAULT MEGANE IV, TAUSMAN, ESPACE V 4 BUTTON HITAG AES 433 MHZ KEYLESS GO REMOTE</td>
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<tr>
<td><strong>RNB159E</strong></td>
<td>IEA RENAULT MEGANE IV, TAUSMAN, ESPACE V 4 BUTTON HITAG AES 433 MHZ KEYLESS GO REMOTE BOARD</td>
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<tr>
<td>Transponder</td>
<td>Description</td>
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<tr>
<td>TS48</td>
<td>48 Transponder Cloning with Zed-Full(Glass) - 1 Time Use</td>
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<tr>
<td>MD46</td>
<td>46 Transponder Cloning with Zed-Full(Carbon) - Re-Usable</td>
</tr>
<tr>
<td>Z46-01</td>
<td>PCB Transponder for 46 Cloning Applications from PC SW. Has Sniff Feature, Re-Usable.</td>
</tr>
<tr>
<td>Z46-01-GM</td>
<td>For &quot;GM&quot; Fast Programming via OBD</td>
</tr>
<tr>
<td>Z48</td>
<td>48 Transponder Cloning with Zed-Full(Glass) - 1 Time Use</td>
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<tr>
<td>Z4C</td>
<td>4C Transponder Cloning with Zed-Full(Glass) - 1 Time Use</td>
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<tr>
<td>Z46-02-CLIO2HB</td>
<td>Renault: Clio II Hatchback ID: 46 - PCF7946 PCB for OBD Programming</td>
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<tr>
<td>Z46-02-FLUENCE</td>
<td>Renault: Fluence ID: 46 - PCF7961 PCB for OBD Programming</td>
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<tr>
<td>Z46-02-KANGOO3</td>
<td>Renault: Kangoo 3, Clio 3 ID: 46 - PCF7946/47 PCB for OBD Programming</td>
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<td>Z46-02-RN-HITAGAES</td>
<td>Renault: Symbol HITAG AES - PCF7961M PCB for OBD Programming</td>
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<td>Z46-02-MICRA</td>
<td>Nissan: Micra ID: 46 - PCF7961 PCB for OBD Programming</td>
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<td>Z46-02-NOTE</td>
<td>SMART ID: 46 - PCF7941 PCB for OBD Programming</td>
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<td>Z46-02-ASTRA_H</td>
<td>Opel: Astra H ID: 46 - PCF7941 PCB for OBD Programming</td>
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<tr>
<td>Z46-02-INSIGNIA</td>
<td>Opel: Insignia, Astra J ID: 46 - PCF7941 PCB for OBD Programming</td>
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<td>Z46-02-SMART</td>
<td>SMART ID: 46 - PCF7941 PCB for OBD Programming</td>
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<tr>
<td>ZMAES</td>
<td>Fiat Egea - VW Mob Megamos AES Transponder PCB for OBD Programming</td>
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<tr>
<td>Zed-FULL ADDITIONAL ACCESSORIES</td>
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<tr>
<td>&quot;ZFH-IRPROG&quot; READ &amp; WRITE MERCEDES-BENZ KEY MODULE</td>
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<tr>
<td>&quot;ZFH-MB&quot; MERCEDES-BENZ SNIFFER</td>
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<td>&quot;ZFH-UTE&quot; UNIVERSAL TRANSPONDER EMULATOR</td>
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<td>&quot;Zed-NET&quot; Zed-FULL Wi-Fi MODULE</td>
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<tr>
<td>&quot;TPX4 CLONER&quot; STANDALONE ID:46 CLONING (OFFLINE)</td>
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<td>&quot;ZFH48 SNIFFER&quot; 48 CLONING SNIFFER</td>
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<td>&quot;ZFH46-SNIFFER&quot; 46 CLONING SNIFFER</td>
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<tr>
<td>&quot;ZFH46-CARD&quot; FLUENCE -MEGANE 3 - SCENIC 3 SNIFFER</td>
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<tr>
<td>&quot;ZFH-CP&quot; HOLDEN-COMMODORE PIN</td>
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<tr>
<td>&quot;ZFH-C01&quot; TPX-4 CLONER CONNECTION CABLE</td>
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<tr>
<td>&quot;ZFH-C02P&quot; VAG UDS CLUSTER CONNECTION CABLE</td>
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<tr>
<td>&quot;ZFH-C03&quot; MOTOBIKE ECU CONNECTION CABLE</td>
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<tr>
<td>&quot;ZFH-C04&quot; BMW CAS UNIT CONNECTION CABLE</td>
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<tr>
<td>&quot;ZFH-C05&quot; VAG SHORT CIRCUIT CABLE</td>
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<tr>
<td>&quot;ZFH-C06&quot; RENAULT FLUENCE -MEGANE 3 - SCENIC 3 BCM CONNECTION CABLE</td>
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<tr>
<td>&quot;ZFH-C07&quot; EEPROM &amp; MCU APPLICATION 10 PIN CONNECTION CABLE</td>
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<tr>
<td>&quot;ZFH-C07-2&quot; EEPROM &amp; MCU APPLICATION 10 PIN CONNECTION CABLE</td>
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<tr>
<td>&quot;ZFH-C08&quot; EEPROM &amp; MCU APPLICATION 20 PIN CONNECTION CABLE</td>
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<tr>
<td>&quot;ZFH-C08-2&quot; EEPROM &amp; MCU APPLICATION 20 PIN CONNECTION CABLE</td>
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<tr>
<td>&quot;ZFH-C09&quot; UNIVERSAL CABLE</td>
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<tr>
<td>&quot;ZFH-C10&quot; IR-PROG-Zed-FULL CONNECTION CABLE</td>
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<tr>
<td>&quot;ZFH-C11&quot; IR-PROG-PC CONNECTION CABLE</td>
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</tr>
<tr>
<td>&quot;ZFH-C12&quot; REMOTE UNLOCKING CABLE</td>
<td></td>
</tr>
<tr>
<td>&quot;ZFH-C13&quot; DAF TRUCK ROUND OBD2 CABLE</td>
<td></td>
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## Zed-FULL ADDITIONAL ACCESSORIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>ZFH-C14</td>
<td>DAF TRUCK POWER CABLE</td>
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<tr>
<td>ZFH-C15</td>
<td>ZFH-UTE CONNECTION CABLE</td>
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<tr>
<td>ZFH-C16</td>
<td>ZFH-MCA CABLE</td>
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<tr>
<td>ZFH-C17</td>
<td>GATEWAY CONNECTION 2 PINS CABLE (PINK + YELLOW)</td>
</tr>
<tr>
<td>ZFH-C18</td>
<td>CHRYSLER 2018+ DASHBOARD AND STAR CONNECTOR CABLE</td>
</tr>
<tr>
<td>ZFH-MBCA</td>
<td>ADAPTER FOR EIZS READING APPLICATIONS.</td>
</tr>
<tr>
<td>ZFH-MBC1</td>
<td>SOCKET CABLE FOR W204-W207-W212(OLD)</td>
</tr>
<tr>
<td>ZFH-MBC2</td>
<td>SOCKET CABLE FOR W164-W251</td>
</tr>
<tr>
<td>ZFH-MBC3</td>
<td>SOCKET CABLE FOR W216-W221</td>
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<tr>
<td>ZFH-MBC4</td>
<td>SOCKET CABLE FOR W212(NEW)</td>
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<tr>
<td>ZFH-MBC5</td>
<td>SOCKET CABLE FOR W166-W246</td>
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<tr>
<td>ZFH-MCA</td>
<td>MULTI CONNECTION ADAPTER</td>
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<tr>
<td>ZFH-PCF79XX</td>
<td>REMOTE UNLOCKING ADAPTER</td>
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<tr>
<td>ZFH-MBNEC</td>
<td>MERCEDES-BENZ KEY MCU NEC ADAPTER</td>
</tr>
<tr>
<td>ZFH-EA11</td>
<td>8 PIN EEPROM ADAPTER</td>
</tr>
<tr>
<td>ZFH-EA2</td>
<td>52 PIN (EWS-3) MCU ADAPTER</td>
</tr>
<tr>
<td>ZFH-EA3</td>
<td>52 PIN MCU ADAPTER</td>
</tr>
<tr>
<td>ZFH-EA4</td>
<td>52 PIN MCU ADAPTER</td>
</tr>
<tr>
<td>ZFH-EA5</td>
<td>28 PINS MCU ADAPTER (05E6/05P3)</td>
</tr>
<tr>
<td>ZFH-EA6</td>
<td>52 PIN MCU ADAPTER</td>
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<tr>
<td>ZFH-EA7</td>
<td>52 PIN MCU ADAPTER</td>
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<tr>
<td>ZFH-EA8</td>
<td>28 PINS MCU ADAPTER (05E6/05P3)</td>
</tr>
<tr>
<td>ZFH-EA9</td>
<td>64 PINS MCU PCB ADAPTER 08A2/AB-908AS/A2</td>
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<tr>
<td>ZFH-EA10</td>
<td>64 PINS MCU PCB ADAPTER QPP64/05B/X</td>
</tr>
<tr>
<td>ZFH-EA11</td>
<td>64 PINS MCU ADAPTER QPP64/05B/X</td>
</tr>
<tr>
<td>ZFH-EA12</td>
<td>64 PINS MCU ADAPTER QPP64/05B/X</td>
</tr>
<tr>
<td>ZFH-EA13</td>
<td>52 PIN MCU ADAPTER WITH SOCKET</td>
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<tr>
<td>ZFH-SSF</td>
<td>FIAT SYSTEM ECU VIRGINISE CABLE ECU TYPE: SSF3(HW&gt;200)</td>
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<tr>
<td>ZFH-SSF3</td>
<td>FIAT SYSTEM ECU VIRGINISE CABLE ECU TYPE: SSF3(HW300)</td>
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<tr>
<td>ZFH-SNF</td>
<td>FIAT SYSTEM ECU VIRGINISE CABLE ECU TYPE: SNF</td>
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<tr>
<td>ZFH-ME73</td>
<td>FIAT SYSTEM ECU VIRGINISE CABLE ECU TYPE: ME73(313-314)</td>
</tr>
<tr>
<td>Zed-FULL ADDITIONAL ACCESSORIES</td>
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<tr>
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<tr>
<td>&quot;ZFH-ME731&quot; FIAT SYSTEM ECU VIRGINISE CABLE ECU TYPE: ME731(253-254)</td>
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<tr>
<td>&quot;ZFH-DONGLE1&quot; &quot;HOLDEN&quot; OBD APPLICATION DONGLE</td>
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<tr>
<td>&quot;ZFH-DONGLE2&quot; &quot;CHRYSLER&quot; OBD APPLICATION DONGLE</td>
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<tr>
<td>&quot;ZFH-DONGLE3&quot; &quot;RENAULT MEGANE-1 SCENIC-1&quot; OBD APPLICATION DONGLE</td>
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<tr>
<td>&quot;ZFH-DONGLE4&quot; &quot;MITSUBISHI K-LINE&quot; OBD APPLICATION DONGLE</td>
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<tr>
<td>&quot;ZFH-DONGLES&quot; BMW (CAS1,CAS2,CAS3,CAS3+) OBD APPLICATION DONGLE</td>
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</tr>
<tr>
<td>&quot;ZFH-EWS3&quot; BMW EWS OBD APPLICATION DONGLE</td>
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</table>
# Zed-FULL EEPROM & MCU APPLICATION ADAPTERS

<table>
<thead>
<tr>
<th>Adapter Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ZFH-EA1”</strong></td>
<td>8 PIN EEPROM ADAPTER</td>
</tr>
<tr>
<td><strong>ZFH-EA2”</strong></td>
<td>64 PIN MCU ADAPTER (08AZ/AB)</td>
</tr>
<tr>
<td><strong>ZFH-EA3”</strong></td>
<td>52 PIN (EWS-3) MCU ADAPTER</td>
</tr>
<tr>
<td><strong>ZFH-EA4”</strong></td>
<td>52 PIN MCU ADAPTER</td>
</tr>
<tr>
<td><strong>ZFH-EA4”</strong></td>
<td>52 PIN MCU ADAPTER (SOIC28 05E6/05P3)</td>
</tr>
<tr>
<td><strong>ZFH-EA6”</strong></td>
<td>28 PIN MCU ADAPTER</td>
</tr>
<tr>
<td><strong>ZFH-EA7”</strong></td>
<td>(912/9S12/9S12X) SECURITY MCU ADAPTER</td>
</tr>
<tr>
<td><strong>ZFH-EA8”</strong></td>
<td>28 PIN MCU ADAPTER WITH SOCKET SOIC28 (05E6/05P3)</td>
</tr>
<tr>
<td><strong>ZFH-EA9”</strong></td>
<td>64 PIN MCU ADAPTER QFP64 (08AZ/AB-908AS/AZ)</td>
</tr>
<tr>
<td><strong>ZFH-EA10”</strong></td>
<td>64 PIN MCU PCB ADAPTER 08AZ/AB-908AS/AZ</td>
</tr>
<tr>
<td><strong>ZFH-EA11”</strong></td>
<td>64 PIN MCU PCB ADAPTER QFP64(05B/X)</td>
</tr>
<tr>
<td><strong>ZFH-EA12”</strong></td>
<td>64 PIN MCU ADAPTER WITH SOCKET QFP64(05B/X)</td>
</tr>
<tr>
<td><strong>ZFH-EA13”</strong></td>
<td>52 PIN MCU ADAPTER WITH SOCKET</td>
</tr>
<tr>
<td><strong>ZFH-C06”</strong></td>
<td>RENAULT FLUENCE MEGANE 3 - SCENIC 3 BCM CONNECTION CABLE</td>
</tr>
<tr>
<td><strong>ZFH-C07”</strong></td>
<td>10 PIN CONNECTION CABLE</td>
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<tr>
<td><strong>ZFH-C07”-2”</strong></td>
<td>10 PIN CONNECTION CABLE</td>
</tr>
<tr>
<td><strong>ZFH-C08”</strong></td>
<td>20 PIN CONNECTION CABLE</td>
</tr>
<tr>
<td><strong>ZFH-C08”-2”</strong></td>
<td>20 PIN CONNECTION CABLE</td>
</tr>
</tbody>
</table>

Note: Same color dots indicate different adapters for same applications.
The module numbers in Zed-FULL that you can read and decode with this adapter, are listed below.

Module;

- 270-271

Used to read 8-Pin Eeproms (Out of Circuit)

Used to read 64-Pin MCUs (Out of Circuit)

The module numbers in Zed-FULL that you can read and decode with this adapter, are listed below.

Module:

- 2-10-12-104-132-143-239

MC68HC908AB16A(L72A) - MC68HC08AZ32(J66D,1K59H,L72A),
MC68HC08AB16A(J66D) - MC68HC908AB32(L59X)

Used to read 52-Pin

“BMW EWS-3” MCUs (In-Circuit)

The module numbers in Zed-FULL that you can read and decode with this adapter, are listed below.

Module:

- 51- BMW, Range Rover, Mini Cooper EWS3

[MC68HC11EA9(0D46J-1D47J) 52pin]

Used to read 52-Pin

BMW EWS-1-2-3 MCUs (Out of Circuit)

The module numbers in Zed-FULL that you can read and decode with this adapter, are listed below.

Module:

- 50- BMW, Range Rover, Mini Cooper EWS1
- 51- BMW, Range Rover, Mini Cooper EWS3
- 52- BMW, Range Rover, Mini Cooper EWS2

[MC68HC11EA9(0D46J-1D47J) 52pin]
Used to read 52-Pin MCUs (Out of Circuit)

The module numbers in Zed-FULL that you can read and decode with this adapter, are listed below.

Module:
6-8-16-62-67-78-91-92-106-142

MC68HC05B6 (F10V-B91T-D33J-D60J)
MC68HC705B32 (G96A-G41V-D59J)

---

Used to read 28-Pin MCUs (Out of Circuit)

The module numbers in Zed-FULL that you can read and decode with this adapter, are listed below.

Module:
9-74-75-137-194

MC68HC05E6 (F82B-G72G)

---

Used to read MCUs by soldering wires (no need to remove MCU)

The module numbers in Zed-FULL that you can read and decode with this adapter, are listed below.

Module:
108(EWS4) - 202(CAS1) - 203(CAS2) - 204(CAS3) - 205(CAS3+)
247(CAS1 Type2) - 248(CAS3 Type2) - 256(DODGE, Mercedes Sprinter)
263(BMW CAS4), 271(Audi A6/Q7 E2S)

MC9S12D64(2L86D), MC68HC912DG(0K50E), MC9S12DP256-
MC9S12DG256-MC9S12XDP512(2K79X-0L01Y-0L15Y-1L15Y)-
MC9S12XEP100(5M48H), MC9S12D128(3L40K/1L59W)-MC9S12DG256(0L01Y)

---

Used to read 64-Pin MCUs (Out of Circuit)

The module numbers in Zed-FULL that you can read and decode with this adapter, are listed below.

Module:
2-10-12-71-104-132-143-144-239

MC68HC908AZ60(1135D-2J747)
**Used to read 64-Pin MCUs (Out of Circuit)**

The module numbers in Zed-FULL that you can read and decode with this adapter, are listed below.

Module:
11-63-64-189
MC68HC05X16 (D621), MC68HC05B16 (D60J)
MC68HC05X32 (1D69J)

**Used to read MCUs by soldering wires (no need to remove MCU)**

The module numbers in Zed-FULL that you can read and decode with this adapter, are listed below.

Module:
13-14-94-95-96-105-216-217-224-249-262-264-265-270
("PCF7941" Chrysler Remote unlock application)

MC9S12DP256-MC9S12DG256(1K79X-0L01Y) 112 Pin,
MC68HC912DT128-MC68HC912DG128(0L05H-3K91D)
MC9S12H256(1K78X) 112 Pin, MC9S12XHZS12(1M30F) - MC9S12H256(3L16Y)
MC9S12DG128(1L40K) 112 Pin - MC9S12DG128 (3L40K) 80pin
Yamaha Movic MCU 30 pin, XC68HC912D60(4F73K) 112 Pin
MC9S12XEG384 (1M125-3M25J) QFP 112pin, NEC D70F3556 QFP 176pin,
MC9S12DG256(1K79X), QFP, 112pin

**Used to read MCUs by soldering wires (no need to remove MCU)**

The module numbers in Zed-FULL that you can read and decode with this adapter, are listed below.

Module:
10
MC68HC08AZ32(J66D-1K59H) 64pin