

# IMMOBILIZERS DIAGNOSTIC TESTER FOR OPEL CARS USER MANUAL

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## 1. Opel OBD2 connector pins:

- 4 pin GND
- 16 pin +12V battery
- 3 pin K-line for old model immobilizers Motorola MCU
- 7 pin K-line for new model immobilizers Texas MCU
- 12 pin K-line for old model immo( Opel Sintra and some other models mostly for US market)

## 2. Software and system requirements

OpelDT.EXE is a Windows based program that will work on any PC or laptop that has installed Microsoft Windows 98, 2000, ME, XP.

Hardware requirements:

Any PC or laptop with Pentium / 133MHz processor or greater, and a free USB port.

### 2.1 USB Drivers installation

Caution: This hardware interface requires drivers installation to work!

Please use only drivers that are supplied with this product. There are no other or better drivers.

For all Windows XP users:

Please disconnect your PC or laptop from Internet before install drivers!

Don't use Windows 'original' drivers! This is important!

### 2.2 How to install drivers:

Connect OBD interface to any free USB port. This will start Windows procedure to install drivers for new

hardware found. Tell to Windows where the drivers are on your harddisk.

If Windows ask you for a file with extension ".cat", press "Skip File"!

### 2.3 Uninstall drivers

If you wish to uninstall drivers, go to control panel and uninstall drivers with standart procedure.

## 3. Programming new keys.

User can program up to 5 different keys to an immobiliser.

How to do this:

Insert new key, and switch ignition ON.

Connect to immobilizer.

Enter correct PIN code.

Press "Prog New Key "

Message 'Reading key...' will be displayed on screen.

After successful procedure there will be a message: 'Key programmed!'

Wait 10 seconds and turn ignition OFF.

Turn ON ignition with same key, and wait until yellow indicator lamp on car dash stop flashing, and light on continuously. Start the car to test new key.

If the indicator lamp continue flashing, this means that transponder is not compatible to this car or engine ECU, try to program other transponder from another type.

If there are error message when try to program new key, user can read errors to see where is the problem.

#### **4. Other commands**

Please read menu on screen, and all messages when they appear.

There are detailed info for all commands.

Command 'Read PIN' for immo1 works only if pin code already have been entered sometimes before.

Immobiliser must be restarted, and OBD connector must be attached to the car, before try to read PIN code.

To restart immo, just disconnect immobilizer connector for 5 seconds and reconnect it.

Reading of PIN code for immo2 is not possible by OBD.

When you program new transponder without key, please keep transponder near as possible to the immo coil.

If there are error message when program new key, this means next thing:

Transponder is not compatible to Opel immobilizers.

Transponder can not be read.

Transponder is already programmed to immobilizer.

Immo is busy, in this case repeat command again.

There are already 5 keys programmed to immo, there is no room for another key.

There is a good news: transponders for new model immos (crypto type) can be programmed to old model immo.

There is a bad news: transponders from other cars, for example VW can not be programmed to Opel immos.

**Also sometimes transponder is programmed to immo,**

**but car can't be started, in this case you are using a incompatible type of transponder, for example transponders from Astra-G doesn't work with Corsa-C.**

**There are many different types of transponders for Immo 2, depending on car, model and year of production.**

#### **5. How to work with software**

Connect hardware interface to any free USB port of laptop and to OBD connector of the car.  
Start program. Select Immo1 or Immo2 from menu and press "Connect Selected ECU"  
If everything is OK after 5 seconds you will see immobilizer info on display.

For more info or help: please write an e-mail to: [kiti@maltchev.com](mailto:kiti@maltchev.com)