

## TRANSPONDER CLONING TOOL

### Reads fixed code transponders:

PHILIPS PCF7930/31 SILCA 33, 73,  
PHILIPS PCF7935 40,41,42,44,45  
TEMIC SILCA 11 i 12,  
MEGAMOS SILCA 13,  
SILCA T5,  
TEXAS SILCA 4C'



Recognises MEGAMOS CRYPTO SILCA 48, PHILIPS  
CRYPTO SILCA 46, TEXAS CRYPTO 4D;  
Writes PCF7930/31 , T5Nova and TEXAS 4C "C

### KEYLINE and SILCA;

Fast detecting the existence of transponder on a key;  
Stand alone tool;  
Connects to a PC using RS232 interface - program  
Anahtar  
for Windows ;  
Dimensions 200\*150\*70mm;



RS-232  
TO PC

9VDC

Line1	First 64 bits of transponder ID code
Line2	1. length of ID code in bits
	2. transponder type:
	11- TEMIC 11 (-T5 emulation)
	12- TEMIC 12 (-T5 emulation)
	13- MEGAMOS 13 (-T5 emulation)
	33- PHILIPS 7930/31 (-T5 emulation)
	20- T5 blank
	40-41-42-44-45-PHILIPS CRYPTO 7935
	46- PHILIPS CRYPTO2 7936
	48-MEGAMOS CRYPTO
	4C-TEXAS
	4D-TEXAS CRYPTO
	73- PHILIPS 7930/30 "C multiple block

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### Fast detecting the existence of transponder

This function can be used only philips 40-41-42-44-45, temic 11-12 and megamos 13.

Switch to test mode. LCD indicates existence of transponder.  
Attention!

0000000000000000  
TYP:

TEST doesn't detect TEXAS transponders and PHILIPS HITAG 2 (PCF7936 in crypto mode).

TEST

After the testing, please press escape.

<TRANSPONDER!>  
TEST

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### Reading

Put the key to the antenna

0000000000000000  
TYP:

Press the "R" button

11223344556677  
READ

OK, transponder type and ID code

11223344556677  
128 TYP:33

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### Writing

Write operation is possible after reading source transponder.

Select PCF7930/31 or TEXAS - KEYLINE

11223344556677  
1-PH 2-T5 3-ESC

or

11223344556677  
128 TYP:33

11223344556677  
1-TEXAS 3-ESC

11223344556677  
WRITE

11223344556677  
VERIFY

11223344556677  
SUCCESS

11223344556677  
WRITE ERROR

Ok

Error, try again

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### Writing with keypad

Writing free ID code without PC - for type 11, 12, 13, 33 i 4C.

Display must be clear. To clear display activate read function without transponder.

Change transponder type "C 11,12,13, 33,  
4C with "W" button then press ok

0000000000000000  
TYP:

TYP:11 2-CHANGE  
3-ESC 4-OK

0000000000000000  
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Use the keypad to write, press "W" to goto  
right and "R" to left

11223344556677  
1-PH 2-T5 3-ESC

11223344556677  
1-TEXAS 3-ESC

11223344556677  
SUCCESS

11223344556677  
WRITE

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11223344556677  
WRITE ERROR

Ok

11223344556677  
VERIFY

Error, please try again

### Program Anahtar for Windows

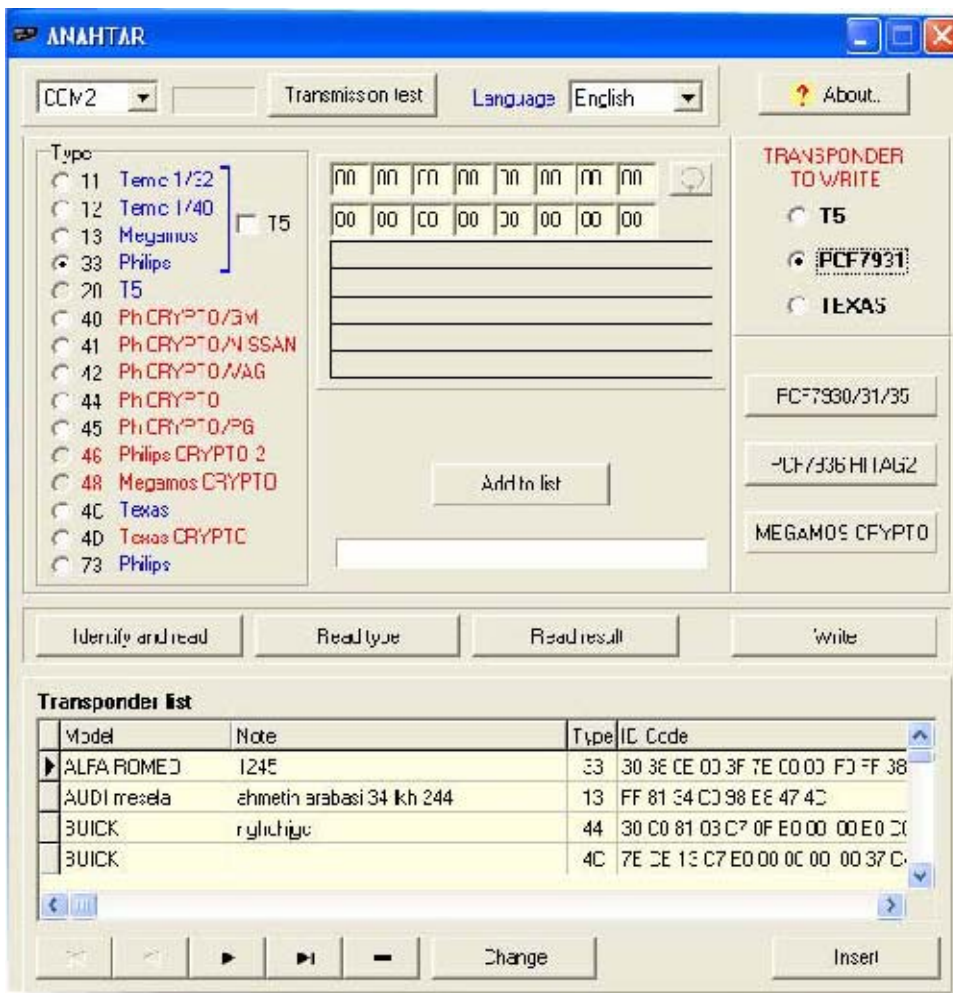
Program ANAHTAR enables writing free ID code. Using the program it is possible to build up detailed transponder data base. It is very simple in use. Key copy tool connects to a PC using serial interface RS232.

• connect programmer with PC using serial cable;

• select COM1 or COM2;

• call transmission test.

• set language version programmer language will be changed too.



### Program functions:

• identify and read read - transponder: identify type and ID code;

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⌘ read type read - selected type transponder;

⌘ read result ⌘ read result from programmer: last type and ID code;

⌘ write - write code to transponder PCF/T5/TEXAS code and transponder type may be insert

### manually :

⌘ add to list ⌘ add transponder parameters to data base list;

⌘ insert ⌘ insert transponder parameters from data base list to main window;

⌘ change ⌘ change data base record.

### Function PCF7930/31.

#### Write

**Format ⌘ Write bytes to access control memory PCF7930/31 blocks 0 and 1:**

RB1 /Read Block 1/ always read block 1 before others.

RFB /Read First Block/ number of first block to read.

RLB /Read Last Block/ number of last block to read.

BWR /Block Write Protection/ set write protection: MSB for block 0, LSB for block 7..

Program ⌘ write to transponder.

**Byte/Block - Write string of bytes: block number (07) , bytes (0F) ⌘ hex.:**

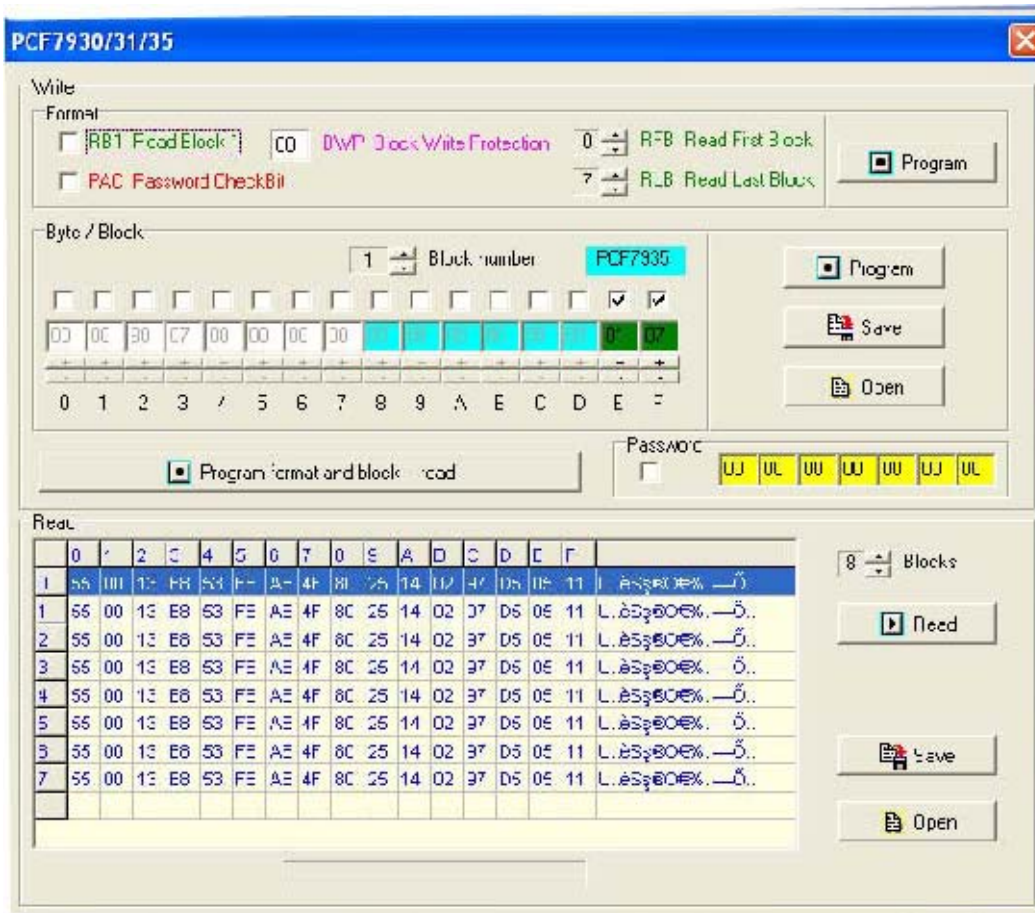
#### **ATTENTION!**

**Be careful while writing blocks 0 and 1. These blocks store information for access control.**

Program ⌘ write to transponder.

Save ⌘ save to file.

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Open "C read from file.

Program format and block + read "C write format , block (string of bytes) and read data from transponder.

**It's recommended to verify transponder after write.**

## Read

Read from transponder number of blocks.












Number of blocks "C number of blocks to read.

Read "C read from transponder.

Save "C save block to file.

Open "C read block from file.

Using right mouse button it's possible to store block in field write>byte/block.

ID	TRANSPONDER	IDENTIFY	READ	WRITE
11	TEMIC 1/32 	YES	YES	T5
12	TEMIC 1/40 	YES	YES	15
13	MEGAMOS 	YES	YES	15
20	SILCA 15 	YLS		
33	PHILIPS PCF7930/31 	YES	YES	T5 PCF7930/31
44	PHILIPS CRYPTO PCF7936 	YES	YES (ID code)	T5 PCF7930/31 (ID code)
48	PHILIPS CRYPTO2 PCF7936 	YES		
49	MAGAMOS CRYPTO 	YES		
40	TEXAS 	YES	YES	KEYLINE
41	TEXAS CRYPTO 	YES	YES (ID code)	
73	PHILIPS PCF7930/31 MULTIPLY BLOCK 	YES	YES	PCF7930/31