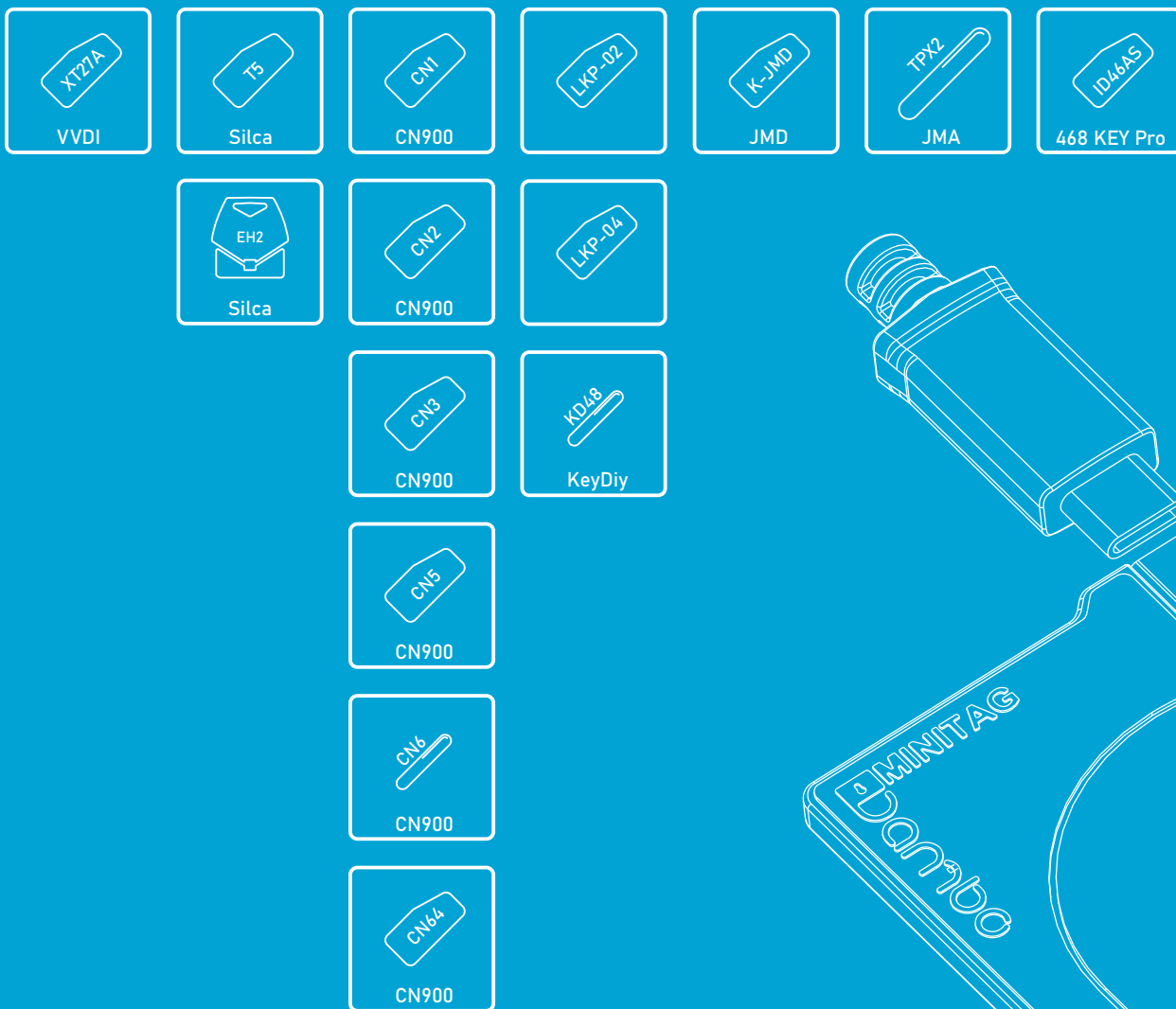





Special Chips for Transponder emulation Support Guide



Dambo KEY TOOL software and **MINITAG** hardware products support a wide range of specialized aftermarket chips (virtual transponders) that are suitable for emulating various types of car key transponders.

You can use special transponders to emulate the immobilizer key transponder, which are ready to start the car using specific software functions.

TRANSPONDER CLONING	TRANSPONDER PRODUCTION	DUMP TOOLS
		
Utilities designed for cloning many different vehicle immobilize transponder types.	Utilities designed for preparation of the transponders that are ready for programming by diagnostic equipment.	Utilities designed for making a spare key or cloning an original key using key data stored in specific files (immobilizer memory or immodata files).

Usually special chips are used for TRANSPONDER CLONING. Transponder cloning in most cases requires less time and does not require the factory transponder and additional equipment. Along with this, you can also use special transponders with any software options that require a factory transponders, such as TRANSPONDER PRODUCTION or DUMP TOOL.



Any software option that require a factory transponder allows the use of a suitable aftermarket virtual chip just as easily as an original one. In this case, you do not need to make any additional choices or prepare the chip in advance. The software will automatically detect and configure a special chip depending on the required function.

Most of the special transponders are rewritable, which allows them to be reused as well as used for testing or training purposes.

T5

Silca fixed code universal chip



The T5 Transponder is a universal chip for emulating many fixed code transponders.

- Emulate ID11/ID12/ID13/ID33 fixed code transponder chips
- Carbon type
- Rewritable

EH2

Silca Electronic Key



The EH2 is a electronic duplicable head with chip and battery. EH2 used to clone 4C/4D/4E Texas Fixed and Texas Crypto transponder keys.

- Emulate Texas Fixed 4C
- Emulate Texas Crypto 4E (ID64)
- Emulate Texas Crypto 4D (ID60 61 62 63 65 66 67 68 69 70)
- PCB-based type
- Battery powered.
- Rewritable

TPX2

JMA Texas-Crypto clonable transponder



The TPX02 is a special cloning chip used to clone 4D/4E Texas Crypto transponder keys.

- Emulate Texas Crypto 4E (ID64)
- Emulate Texas Crypto 4D (ID60 61 62 63 65 66 67 68 69 70)
- Glass type
- **Rewritable**



Most cloning tools can use TPX2 only once and can't reuse it after locking.

Dambo Key Tool can reuse it many times.

LKP-02



The LKP-02 is a special cloning chip used to clone 4C/4D/4E Texas Fixed and Texas Crypto transponder keys.

- Emulate Texas Fixed 4C
- Emulate Texas Crypto 4E (ID64)
- Emulate Texas Crypto 4D (ID60 61 62 63 65 66 67 68 69 70)
- Carbon type
- Rewritable

LKP-04



The LKP-04 is a special cloning chip used to clone Texas Crypto-3 (DST-AES) transponder keys.

- Emulate Texas Crypto-3 DST-AES (ID8A)
- Carbon type
- Rewritable

XT27A

VVDI Super Chip



The VVDI XT27A is a virtual transponder chip that has the ability to be converted into a wide variety of automotive transponder chips.

- Emulate Transponders:
 - Fixed code (11 12 13 33)
 - Tiris 4C
 - Texas Dst 4D (ID60 61 62 63 65 66 67 68 69 70 72G 82G 83)
 - Texas Dst 4E (ID64)
 - Texas Dst AES (ID8A)
 - Megamose 8C
 - Megamose 48
 - Philips PCF7935 (ID33 40 41 42 43 44)
 - Hitag-2 PCF7936 (ID46)
 - Hitag-3 PCF7938 (ID47)
 - Hitag-Pro PCF7939P (ID49)
 - Hitag-AES PCF7939M (ID4A)
- Carbon type
- Rewritable

CN1/CN2/YS-01

CN900 Cloning chips

The CN1 , CN2 and YS-01 is a special cloning chips used to clone 4C chips (for CN1) and 4D chips (for CN2).

- Emulate Texas Fixed 4C
- Emulate Texas Crypto 4D (ID60 61 62 63 65 66 67 68 69 70)
- Carbon type
- Rewritable



The software can switch the type of transponder from CN1 to CN2 and back depending on the required type, so you can equally use any of these chips.

CN3

CN900 ID46 Cloning chip

The CN3 is a special cloning chip used to clone Hitag-2 transponders.

- Emulate ID46
- Carbon type
- Rewritable

CN5/CN64

CN900 Cloning chips

The CN5 and CN64 is a special cloning chips used to clone 4E chips (for CN64) and 4D/4D-80bit chips (for CN5).

- Emulate Texas Crypto 4E (ID64)
- Emulate Texas Crypto 4D (ID60 61 62 63 65 66 67 68 69 70)
- Emulate Texas Crypto 4D-80bit (ID70 72G 83)
- Carbon type
- Rewritable



The software can switch the type of transponder from CN5 to CN64 and back depending on the required type, so you can equally use any of these chips.



CN6

Cn900 ID48 Cloning chip

The CN6 is a special cloning chip used to clone Megamos Crypto transponders.

- Emulate Megamos Crypto (ID48)
- Glass type
- Rewritable










































































































































































































































































ID46AS























468 KEY Pro ID46 Cloning chip

The ID46AS is a special cloning chip used to clone Hitag-2 transponders.

- Emulate ID46
- Carbon type
- Rewritable

TRANSPONDER TYPE	ID	Description	Software OPTIONS	Special Chips for Transponder emulation
TEMIC 11 Fixed code transponder	11		  	 
TEMIC 12 Fixed code transponder	12		  	 
MEGAMOSE 13 Fixed code transponder	13		  	 
TEMIC 8C Crypto transponder	8C	FORD / MAZDA	  	
Philips PCF7930/31 Fixed code transponder	33	GENERAL MOTORS	  	 
	33	VAG	  	 
	33	RENAULT	 	 
	33	<small>- BOSCH CARTRONIC</small> MITSUBISHI / VOLVO	  	 
	33	<small>- BOSCH CODE-1</small> FIAT/ALFA ROMEO/LANCIA	  	 
	33	<small>- LUCAS AS19</small> MAZDA	  	 
	33	<small>- Siemens NATS-2</small> NISSAN	  	 
	33	<small>- VALEO</small> CITROEN/FIAT/PEUGEOT/ LANCIA	  	 
Philips PCF7935 Crypto transponder	40	GENERAL MOTORS	 	
	41	NISSAN	  	
	42	VAG	 	
	44	VAG	  	
	44	CHINA CARs	 	
	44	MITSUBISHI	 	
	45	PEUGEOT	  	

TRANSPONDER TYPE	ID	Description	Software OPTIONS	Special Chips for Transponder emulation
TEXAS 4C Fixed code transponder	4C		  	    
DST 4E Crypto transponder	64		  	     
DST 4D Crypto transponder	60	Generic 4D transponder	  	       
	61	MITSUBISHI	  	       
	62	MITSUBISHI	  	       
	62	KAWASAKI Cycles	  	       
	62	SUZUKI Cycles	  	       
	63	FORD / MAZDA	  	       
	65	SUZUKI	  	       
	66	SUZUKI	  	       
	67	TOYOTA / LEXUS	  	       
	68	TOYOTA / LEXUS	  	       
	69	YAMAHA Cycles	  	       
	70	TOYOTA EU	  	       
	70E	TOYOTA Prius smartkey	  	       
DST 80bit Crypto transponder	6E (70)	KIA / HYUNDAI	  	   
	6E (72, 67G)	TOYOTA / LEXUS G-chip	  	   
	83 (6F-63)	FORD / MAZDA 80bit	  	   

TRANSPONDER TYPE	ID	Description	Software OPTIONS	Special Chips for Transponder emulation
DST-AES Crypto transponder	8A	TOYOTA / LEXUS H-chip	 	
	8A	TOYOTA / LEXUS SmartKey (AA, A9)		
	8A	BMW Cycles		
NXP Hitag-2 Crypto transponder	46	Generic ID46 transponder	  	  
NXP Hitag-3 Crypto transponder	47		 	
NXP Hitag-Pro Crypto transponder	49		 	
NXP Hitag-AES Crypto transponder	4A		 	
MEGAMOSE 48 Crypto transponder	48	Generic ID48 transponder	