

Product Datasheet TPK-12 Programmer

Article No : TPK – 12.aa



The TECTUS TPK - 12 Programmer Kit is a ready to use read /write desktop programmer. It programs TECTUS ISO cards, Clamshell cards and keyfobs, ear tags and glass tags to major protocols used to communicate between access control readers and transponders.

The programming options allow incremental and decremental programming of consecutive ID codes for various protocols and records the number directly in a database

The kit consists of the programming software and hardware. The programming software is self-installing and runs under WIN 98, 2K and XP.

Frequency	125 kHz $\pm$ 5 kHz
Antenna	Internal air-coil antenna, built-in connector for external antennas (toggle)
Read Distance	Short Range
Housing	ABS moulded housing
Power Supply	Via the USB connector
Interface	USB type I and II
Order Number	TPK-12.aa
Transponder types	TECTUS OTP tags, Q5, HITAG-S
Fixed Programming options	—> UNIQUE, EM4100 CF/64, ASK —> ISO 11784 /5 FDX-B —> open mode for programming Q5 to ASK, PSK and FSK modulation —> free programming of all data rates CF/2....CF/128 —> free programming of data in blocks of 32 bits
Features	• Custom programming modes for can be added on request. • Additional firmware versions to handle other transponder types e.g. HITAG-S is available on request • Reader housing with window for customer logo • Indicator on screen for programming feedback OK / KO • Only good programmed codes move to the database • Future firmware updates can be downloaded via the serial interface, directly via the programming software.

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Product Datasheet TPK-12 Programmer Access-Control

Article No : TPK – 12.ac



Q5 Demo Reader V1.2 (beta)

Database Configuration Info Close

☐ Connect 1 Comport-Status: **not connected** Reader Configuration

Reader-Type: **no Reader** Communication-Info

Q5 - Menu

- Read Mode
- Programming Mode
 - Unique
 - Unique ASK CF/64
 - Unique ASK CF/32**
 - Unique PSK CF/16
 - ISO 11784/5
 - Q5 open mode
 - Only Config Word

Q5

Input Unique-Nr. Show Dataformat: HEX

10 Digits - Hex: 0000000000

Status: 0

☒ Block 0	60	01	F0	14
☒ Block 1	FF	80	00	00
☒ Block 2	00	00	00	00
☐ Block 3	00	00	00	00
☐ Block 4	00	00	00	00
☐ Block 5	00	00	00	00
☐ Block 6	00	00	00	00
☐ Block 7	00	00	00	00

Programming Unique ASK CF/32 **Reader Result: nothing**

☐ Continuous Read ☐ Sound active

General programming settings active

☒ Incremental Programming Start value hex: 0000000000 (32 bit) **Start Programming**

☐ Decremental Programming End value hex: FFFFFFFF (32 bit) **Current Tag-Nr.**

☐ Sequence Terminator enabled (in progress)

☐ Use Header Define header bin: 00000000 (32 bit)

☐ Use CRC 8 bit CRC

☐ Use Password Block 7 enabled: 00000000 (32 bit)

Info Database: Transponder.mdb connect Info Table: Table1 open

Q5 Demo Reader V1.2 (beta)

Database Configuration Info Close

☐ Connect 0 Comport-Status: **not connected** Reader Configuration

Reader-Type: **no Reader** Communication-Info

Q5 - Menu

- PSK1
- PSK2
- PSK3
- ASK
 - ASK Bi-Phase
 - ASK Manchester
 - ASK NRZ
- Programming Mode
 - Unique
 - Unique ASK CF/64
 - Unique ASK CF/32
 - Unique PSK CF/16
 - ISO 11784/5
 - Q5 open mode
 - Only Config Word**

Config-Word Q5

Block 0 (Binary): 01100000 00000000 00000000 00000000 Block 0 (Hex): 60 00 00 00

Lockbit (Bit 0): 0 Bits 1-13 is fix ☐ Secret Terminator (Bit 32)

Bitrate selectable (Bit 14-20): RF-2 / 000000

Answer on Request (Bit 21): No / 0

Enable Password (Bit 22): No / 0

PSK Carrier Freq.(Bit 23-24): RF-2 / 00

Invert data output (Bit 25): No / 0

Modulation (Bit 26 - 28): Manchester / 000

Maxblock (Bit 29 -31): 1 block - 32 bit / 001

Programming Only Config Word **Reader Result: nothing**

☐ Continuous Read ☐ Sound active

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