

THINKCAR

**TKey101 Universal
Car Key Programmer
Adapter**



THINKCAR TKey101 Universal Car Key Programmer Adapter User Manual

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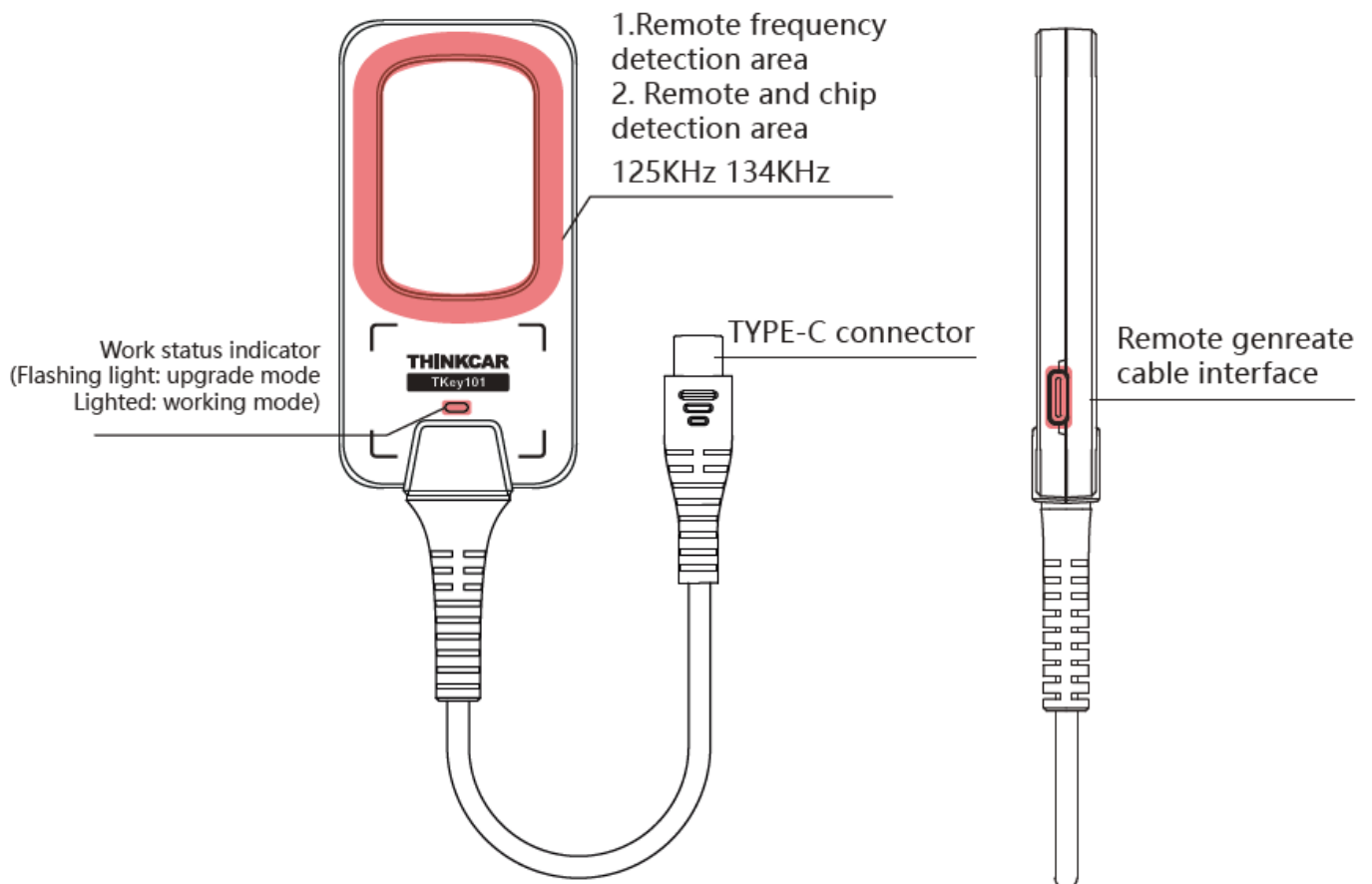
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THINKCAR TKey101 Universal Car Key Programmer Adapter



Overview



- TKey101 is a car key programmer.

- Recognizes car keys, generates remote options that can be used for a program to the car

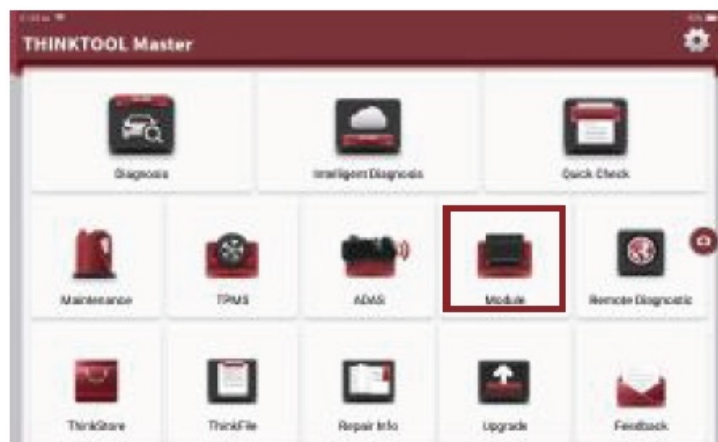
Package List

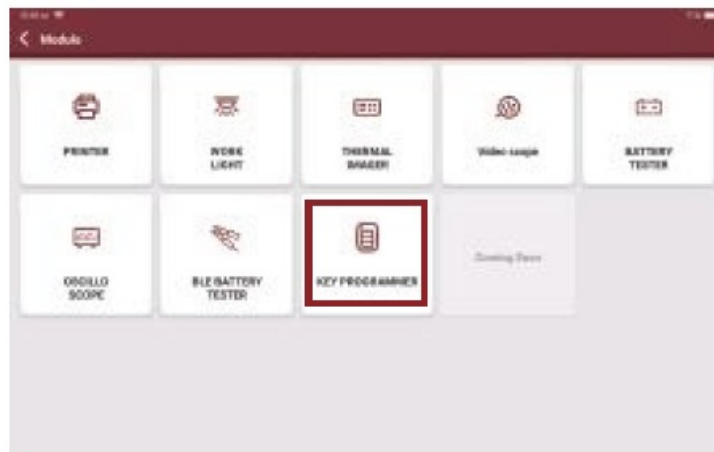
- Main device x1
- Remote generation cable x1
- Universal remote x6
- USB3.0 to TYPE-C x1
- Super chip x1



Interfaces

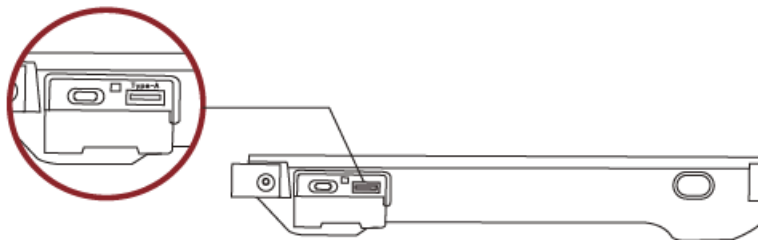
Enter TKey101 Diagnostics main interface → Module → KEY PROGRAMMER



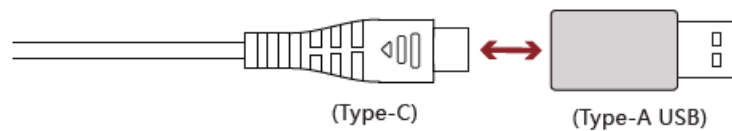


Installation Operations

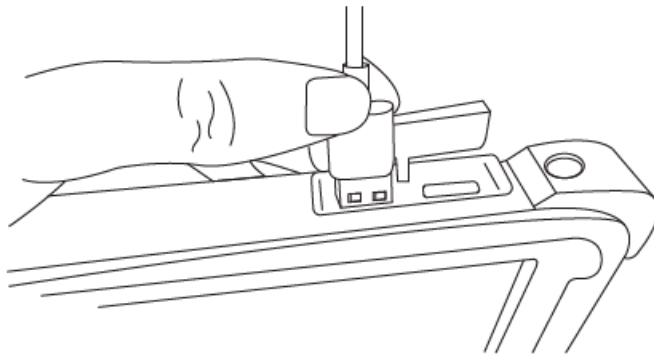
- Open the dust cover



- Type-C Plug to Type-A USB Plug



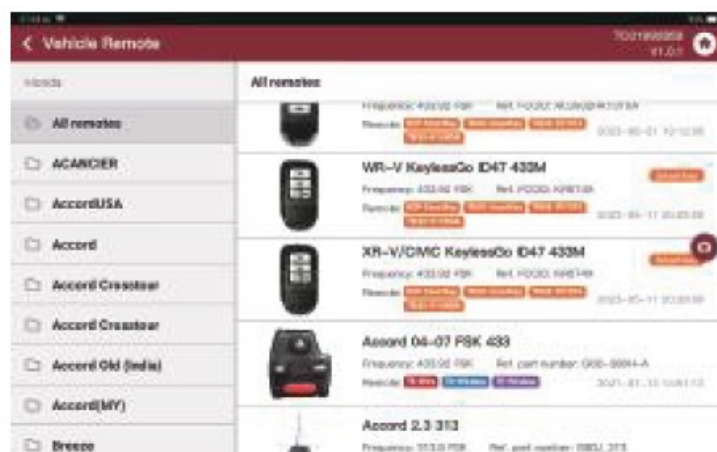
- Type A USB Plug-in Tablet



Main Function

Remote Generation

- Generating remote requires the use of the corresponding remote type, and each remote option indicates which type of remote should be used.
- **Note:** Batteries are not included with all remotes that come with TKey01, customers need to purchase CR2032 type.
- For the disassembly and assembly of the remote shell, please refer to the [TKey101] video at <http://www.thinkcar.com/video>.



Remote Type:

- TK-wire type remote
- TE-wireless type remote
- TN-wireless type remote
- Smart key type remote: NXP-Smartkey, TM38-Smartkey, TM38-TOYOTA, TM38-HYUNDAI

How to identify the remote type:

- **TK-wire TK type remote:** There is a socket on the circuit board. (Fig. 1) Need to remove the battery to generate remote
- **TE-wireless TE type remote:** Circuit board with long inductors. Need to install a battery to generate a remote
- **TN-wireless TN type remote:** Circuit board with long inductors. Need to install a battery to generate a remote
- **Difference between TE-wireless TE type remote and TN-wireless TN type remote:** The TE type remote

has 2 triodes and the TN type remote not have (Fig. 2) support for generating different chip types

- **Smart key type remote:** Most of the key appearance is hidden key blade or without a key blade, The circuit board has a 3D inductor or 3 independent inductors, which need to install the battery generation.(Fig. 3)

Note:

Customers can check the remote type by using the “Remote function → Detect remote”.



Fig. 1



Fig. 2

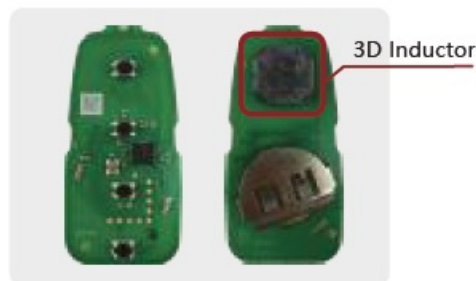


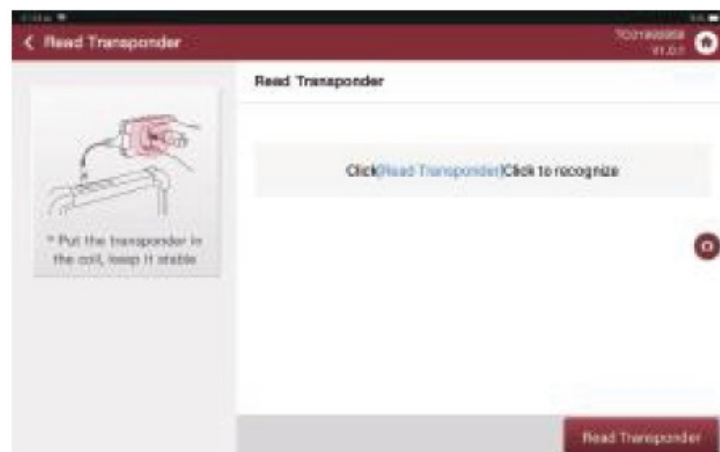
Fig. 3

Attention:

Only the TK type remote does not require batteries to be installed during the remote generation process, other remote types require 3-volt batteries to be installed during the remote generation process and do not move the device or remote during the remote generation process, as this may fail the remote generation.

Chip identification and Chip generation

- **Chip identify:** Put the original chip or remote chip into the device coil, which can identify the current chip type and information.

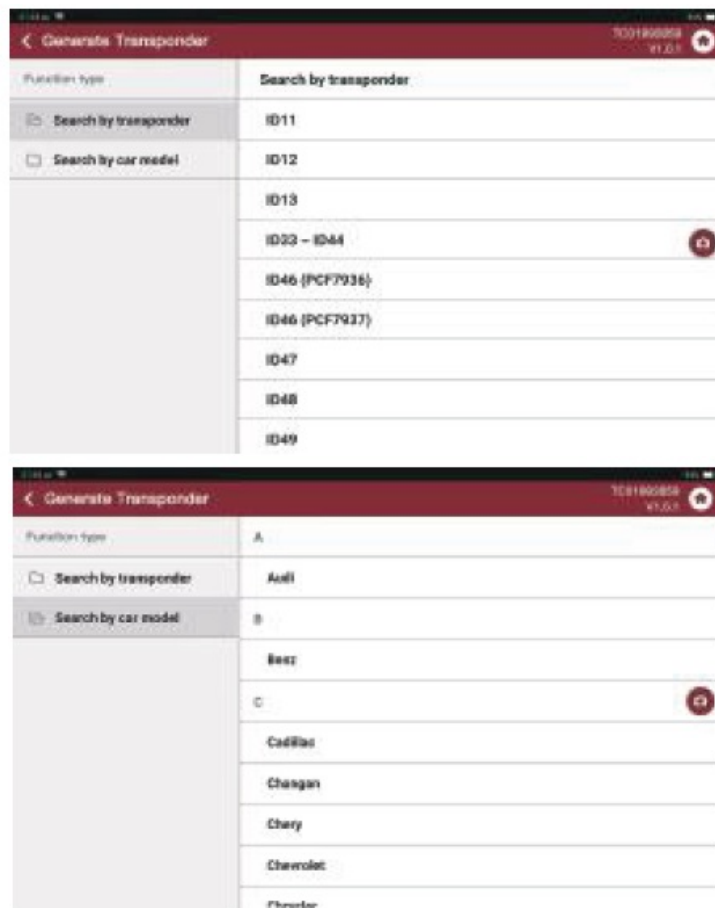


- **Chip Generation:** Put a superchip or TN-type remote in the coil to generate the corresponding chip.

Note:

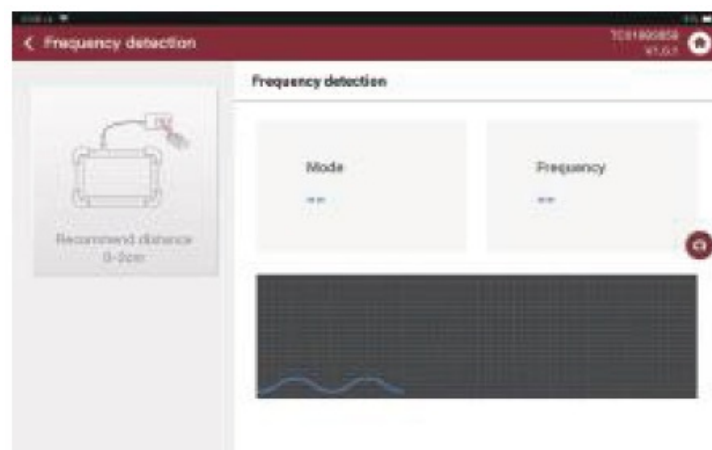
Because of different years or models, the chip type is not the same, you need to consult the relevant chip

information or identify the original key to confirm the specific chip type.



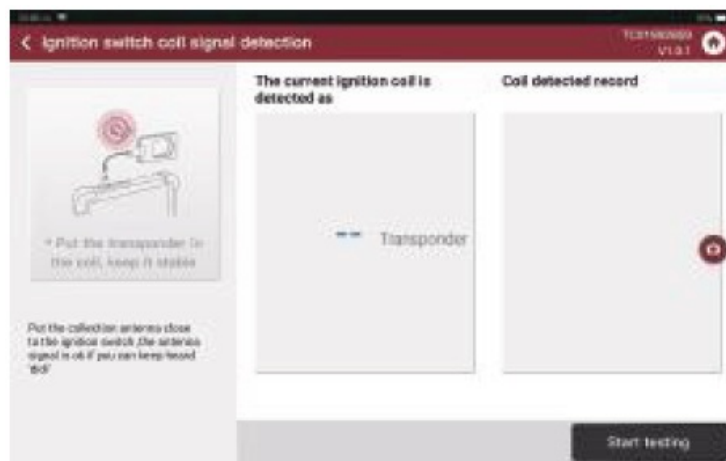
Frequency Detection

Align the remote frequency detection area and press the remote button to recognize the remote frequency



Ignition coil detection

Put the device coil close to the ignition (close to the emergency sensing area if it is push start car model), turn on the ignition, or push the start button, when you hear the dripping sound, it means that the coil signal is detected, you can detect 46 chip, 47 chip and part of the 4D chip type if it is the other chip type, it will only show the 4D, it's mainly used to confirm that the coil is working properly.



Other functions

- **Super chip type setting:** Put the super chip into the device coil, select the option to set the super chip to the corresponding chip type, as well as reset the super chip to a blank 46 chip.



- **TN type remote setting:** Put the TN type remote into the device coil, select the option to set the TN type remote to the corresponding chip type



Remote function

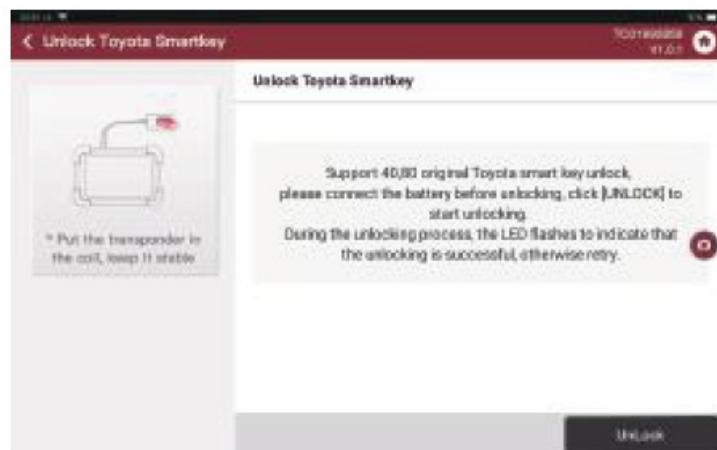
Detect remote, partial information about the remote can be detected (cannot be used to confirm the generated program)

- **Remote failure detection:** Sudden failure of the remote in normal use requires the use of this function under the guidance of a technician

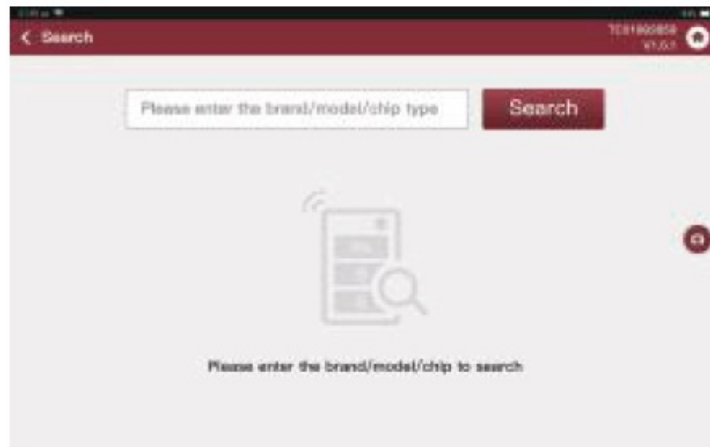
- **Smart key clone:** Put the programmed smart key into the coil to read the data, then put a new smart key that needs to be generated with the same remote options into the coil to write the data, the new smart key will have all the functions of the programmed smart key and the programmed smart key will no longer work, (This feature is used to exchange a programmed smart key for a new smart key without reprogramming, can't be used to add a key or clone a key, and does not support MQB and VW48 smart key exchanges.
- **Toyota TM38 smart key Settings:** Used to change Toyota TM38 smart key frequency, key button, and signal strength, no need to program key again after writing (only support to change the TM38 smart key, do not support the option of BA, 4A, do not support to change the original key)
- **Smart key customization:** This function is used to change the key position of the smart key and smart key remote sensitivity by placing the smart key into the coil to read and change the values and write them back when all changes are complete, no reprogramming is required after the write back.



- **Toyota smart key unlocking:** Support 40, 80-bit original Toyota smart key unlocking, need to install the battery before unlocking, during the unlocking process, the LED light of the key blinks and prompts the unlocking success that is complete, otherwise retry.



- **Search: Search for make, model, and chip type**
Entering the corresponding brand model or chip type will give you the corresponding remote and chip result options.



- **Update Center:** Online key programming updated, firmware update,d and remote database update



Warranty and after-sales

The TKey101 warranty period is one year, based on the date on the transaction voucher; if there is no transaction voucher or the transaction voucher is lost, the shipment data recorded by the manufacturer shall prevail.

Warranty is not available for the following:

- Failure to use the machine according to the instructions resulted in machine failure
- Damage to the machine due to self-repair or modification
- Machine failure due to drop, collision, or improper voltage
- Damage to the machine due to force majeure
- Malfunction or damage to the machine due to prolonged use in bad conditions or on vehicles or ships.
- Dirt and wear on the housing of the main unit due to use
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- Customer Service Email: support@thinkcar.com
- Official Website: www.thinkcar.com

- Product tutorials, videos, Q&A, and coverage lists are available on Thinkcar's official website

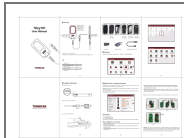
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Documents / Resources



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References

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