TY200 - TY90 - KD900 - Foyum

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Data de publicació: 01-07-2025

TY200 Locksmith Tool Multi-function Garage Gate Remote Control Auto Car Key Programmer

TY200's antenna areas. Let's break down their functions based on typical locksmith/key programmer devices and the description you provided:

1. Ignition Data Acquisition Antenna

Purpose: This antenna is designed to read and write RFID transponder chips (also called "immobilizer chips") used in car keys.

How it works:

Many modern car keys have a small glass-encapsulated RFID chip (e.g., T5, T11, PCF7936, 4D chips) embedded inside the key fob or blade.

Some vehicles (especially older models) have a standalone transponder in the ignition barrel (e.g., Megamos Crypto, Philips 46).

This antenna can read, clone, or emulate these chips to generate a working key.

Dog/Cat Microchips?

While some animal microchips (e.g., FDX-B, ISO 11784/85) operate at 125 kHz or 134.2 kHz, most car transponders use 125 kHz (e.g., Texas Instruments) or 433/868 MHz (for modern encryption).

The TY200 might read basic low-frequency RFID chips, but its primary use is for automotive transponders.

2. Transponder Detection Area

Purpose: This is likely a near-field communication (NFC) or inductive antenna for:

Detecting and identifying transponder types (e.g., Hitag, AES, DST80).

Cloning or writing to blank chips (e.g., T5577, UID, CUID).

How it works:

When you place a transponder chip (or a key with a chip) in this area, the TY200 can:

Read its UID/crypto data (for cloning).

Check if it’s a rolling-code or fixed-code system.

Write new data to a blank chip.

Additional Antennas (If Present)
Since you mentioned four antennas, the other two likely include:

3. Remote Control (RF) Antenna

For copying/cloning car remotes (433 MHz, 868 MHz, 315 MHz) and garage door openers.

Can detect ASK/FSK modulation (used in brands like Peugeot, Citroën).

4. Smart Card (IC/ID) Antenna

For reading/writing smart cards (Mifare, NFC, HID Prox, etc.).

Used in access control systems, hotel keys, and some garage remotes.

How to Test Each Antenna?

Ignition Antenna ? Try reading a car key’s transponder (hold a key near it).

Transponder Detection Area ? Place a blank chip (e.g., T5577) and attempt to clone.

RF Antenna ? Test by copying a garage remote (press the original near the device).

Smart Card Antenna ? Try reading a Mifare card (e.g., hotel key).

Where to Find More Info?

YouTube: Search for "TY200 demo" to see how locksmiths use each antenna.

Forums: Check KeyDIY or Locksmith forums for user experiences.

Manufacturers

Foyum

Types

Key Programming Tools

Condition

New

Description

TY200 Locksmith Tool Multi-function Garage Gate Remote Control Auto Car Key Programmer:
The TY200 Key Programmer is a device used primarily by automotive locksmiths and car repair professionals for programming and cloning vehicle keys, garage gate remotes and remote controls.

TY200 Specifications:
Model Number: FOYUM-TY200EN
Brand Name: TY200

Color: Black
Frequency: 27MHz-960MHz
Scope: Locksmith Multi function Device
OEM & ODM: YES

TY200 Unique Features:
A- Design independent version for Customized.

Independent series remote
Free to update the local remote and other functions

B- Super in IC card ,ID card clone.

Full decode function,breaking the IC card to encrypt the whole defense.
Automatic step-less full frequency sweep,so that offset frequency card can not hide.
Built-in WIFI Full decode, and WIFI upgrade procedures,has unlimited potential.
Support mainland China,Taiwan,Europe,Southeast Asia,ID/IC Smart Card.
Built-in lithium battery/full-color large screen, the best user experience

C- Copy more,generate more.

Continue to have the function of Special copy as TY90.
Can generate more than 1000 kinds of car keys.

Features in Smart card:
A. lC/D Reader/Writer Duplicator new card:

Standard copy function.Read old card,Write to.

B. WiFi decryption:

Full decode function, breaking the lC card to encrypt the whole defense.Avoid PC decoding.

It always have a higher success rate.

C. Auto Scanning:

Automatic stepless full frequency scan,so that offset frequency card can not hide.

D. Best User Experience:

Built-in Lithium battery.Compact and lightweight ,easy to use and carry.

E. Free Update:

WiFi update by one-key. It will be updated and supports more smart card in the future.

TY200 Functions Overview:
1. TY200 is the first multifunctional universal device which support the most frequency of ID card, IC card, car remote control, garage remote control, transponder chip .

2. TY200 has the strongest remote control copy/clone replication&detect capability,Accurate frequency/Data test function. One of the few devices which can test for Citroen & for Peugeot frequency. Can distinguish ASK (Amplitude

Shift Keying) and FSK (Frequency Shift Keying) modulation modes.

a variety of replication functions allow you to easily and successfully replicate garage door remote control and car keys. The remote control of any type of TY sub-machine can reproduce all frequencies universally. It can reproduce most of the remote control of garage door (including garage door rolling code remote control), motorcycle remote control, automobile remote control, and smart card. You can also copy weird codes such as computer codes.

3. TY200 is the first global IC card without connecting computer, cloud platform data calculation, unique IC card full decoding function, directly connecting WIFI and mobile phone hot network full decryption IC card, easy and efficient outgoing card distribution!

4, TY200 supports a variety of blank replication cards: UID, FUID, CUID, EUID, ICUID, E5500, E5550, T5577, EM4305, EL8265, 5200, 6200, 7200, 8200, 6608, 6609, 7325, 4366, 8348, 9823, 9834, ID435, 2346 and all blank cards in the market, smart cards!

5. TY200 equipment upgrade all kinds of powerful and latest functions free of charge, simple and easy to use, built-in password library and procedures, with WIFI function, direct remote wireless upgrade!

6. TY200 uses convenient and fast replaceable lithium batteries to solve the problem of power supply when you go out!

7, TY200 original built-in help tutorial, mobile phone sweep can easily watch learning how to use!

8. TY200 supports the identification of all anti-theft chips on the market and the editing and copying of most commonly used chips.

9. The TY series device support customized software for Client

TY200 is a Hand-held Remote Control Generate tool:
1- Garage remote generation
TY200 multi-function device built-in dozens of garage models remote data(increased continuously), for example the world famously brands BFT, FAAC, NICE, DOORHAM etc..

Support Clone & Regenerate:

Generated remote should be re-programmed to receiver box.

2- Car remote generation:
TY200 multi-function device built-in more than 1200 vehicle models remote data(increased continuously). users can select the relevant data file according to actual vehicle model, use TY200 universal remote and match to the vehicle control unit by programming.

TY90C vs. TY90 vs. TY200:

TY200 Upgrade Log Info:
After upgrade 2023/11/09 version,the older series remote control of TY200 would not be programmed by this TY200 device. Pls make sure you understand this clause and use up your TY remote as much as possible.

TY Remote thanks for your support!

23111000 {Press' OK 'to continue upgrading}

1. Added Generation Function of BFT,Press 1,2,3,4 button at the some time to
emmet "Seed code".

2. Added more support at RC Clone&Regeneration Function For:

ALUTECH/ AT-4/DEA/MOTOR LINE MX4SP DSM/V2
ATA PTX4/DOORHAN/NOVOFERM
BENINCA/FADINI JUBI/NICE SMILO
BFT MITT02 MITTO4 /FAAC XT4 433 /NICE FLORS
Centurion NOVA/GIBIDI GBD au1600/PECCININ TX3C
CAME/KEY/ROSSI
etc.

3.Modify some bugs.

Product

Description

Report Item

TY200 Unique Feature

A-Design independent version for 'Customized.

1.Independent series remote
2.Free to update the local remote and other functions

B-Super in IC card ,ID card clone.

1. Full decode function,breaking the IC card to encrypt the whole defense.
2. Automatic step-less full frequency sweep,so that offset frequency card can not hide.
3. Built-in WIFI Full decode, and WIFI upgrade procedures,has unlimited potential.
4. Support mainland China,Taiwan,Europe,Southeast Asia,ID/IC Smart Card.
5. Built-in lithium battery/full-color large screen, the best user experience

C-Copy more,generate more.

1. Continue to have the function of Special copy as TY90.
2. Can generate more than 1000 kinds of car keys.

Detalles

Frecuencia

250-868mhz

Canales

4

Número de modelo

F1TASF01EN

Comunicación inalámbrica

RF,Control alámbrico

Uso

Universal

Nombre de la marca

FOYUM

Origen

CN(Origen)

color

black

brand

TY

Feature

Blank key

frequency

250-868mhz

feature

clone car key/gate remote

weight

30g

Descripción

Detalles

Frecuencia

250-868mhz

Canales

4

Número de modelo

FTAHK01EN

Comunicación inalámbrica

RF,Control alámbrico

Uso

Universal

Nombre de la marca

FOYUM

Origen

CN(Origen)

color

black

brand

TY

function

remote replacement

frequency

250-868mhz

feature

clone car key/gate remote

weight

30g

Button

2 button

Descripción