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THINKCAR ThinkScan 662 Automotive Diagnostic Tool User Manual

Model: ThinkScan 662

INTRODUCTION

The THINKCAR ThinkScan 662 is a professional automotive diagnostic tool designed for vehicle owners and DIY enthusiasts. It offers comprehensive diagnostic capabilities for four main vehicle systems, along with 12 essential reset and maintenance functions. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and extend its lifespan.

1. SETUP

1.1 Unboxing and Components

Carefully unpack your ThinkScan 662 device and verify all components are present. The standard package includes the main unit, an OBDII diagnostic cable, a DC 5V charging cable, a Quick Start Guide, and a User Manual.

4 System Diagnosis

Couvrant les 4 principaux systèmes à l'origine des voyants d'alerte les plus courants dans votre voiture, ce guide vous aide à comprendre la cause du problème avant de vous rendre dans un garage.



Remarque

Veuillez vérifier avant l'achat si le voyant de défaut est dans le champ d'application du 4 système

Image: The ThinkScan 662 main unit, OBDII diagnostic cable, and charging cable neatly packed in a protective case.

1.2 Initial Power-Up and Charging

Before first use, ensure the device is fully charged. Connect the DC 5V charging cable to the device's Type-C port and a suitable power adapter. The device features a 4150 mAh battery for extended use.

1.3 Connecting to Vehicle

Locate your vehicle's OBDII port, typically found under the dashboard on the driver's side. Connect the OBDII diagnostic cable to the ThinkScan 662 and then to the vehicle's OBDII port. Ensure a secure connection.

Your browser does not support the video tag.

Video: This video demonstrates the unboxing and connection process for a MUCAR VO7 diagnostic tool, which shares similar setup procedures with the ThinkScan 662. It shows how to connect the OBDII adapter to the vehicle.

2. OPERATING THE DEVICE

2.1 User Interface and Navigation

The ThinkScan 662 operates on an Android 8.1 system with a 6.2-inch touchscreen (1024x600 resolution). It

also features physical buttons for navigation, allowing for convenient operation even with gloves or in challenging conditions.

12 Fonctions de Réinitialisation



The collage illustrates 12 reset functions for a car, each accompanied by a small image:

- Réinitialisation de l'airbag
- Échappement ABS
- Réinitialisation du TPMS
- Réinitialisation des freins
- Réinitialisation du DPF
- Réinitialisation de l'ETS
- Réinitialisation de l'injecteur
- Réinitialisation de l'huile
- Réinitialisation du SAS
- Réinitialisation de la boîte de vitesses
- Réinitialisation du BMS
- Réinitialisation de l'IMMO

Image: The ThinkScan 662 displaying its main menu with options like Diagnose, OBD II, Reset, Battery Voltage, Data, and Upgrade.

2.2 Auto VIN Recognition

The device supports automatic VIN identification, which streamlines the diagnostic process by automatically recognizing vehicle information without manual input. This feature saves time and reduces potential errors.

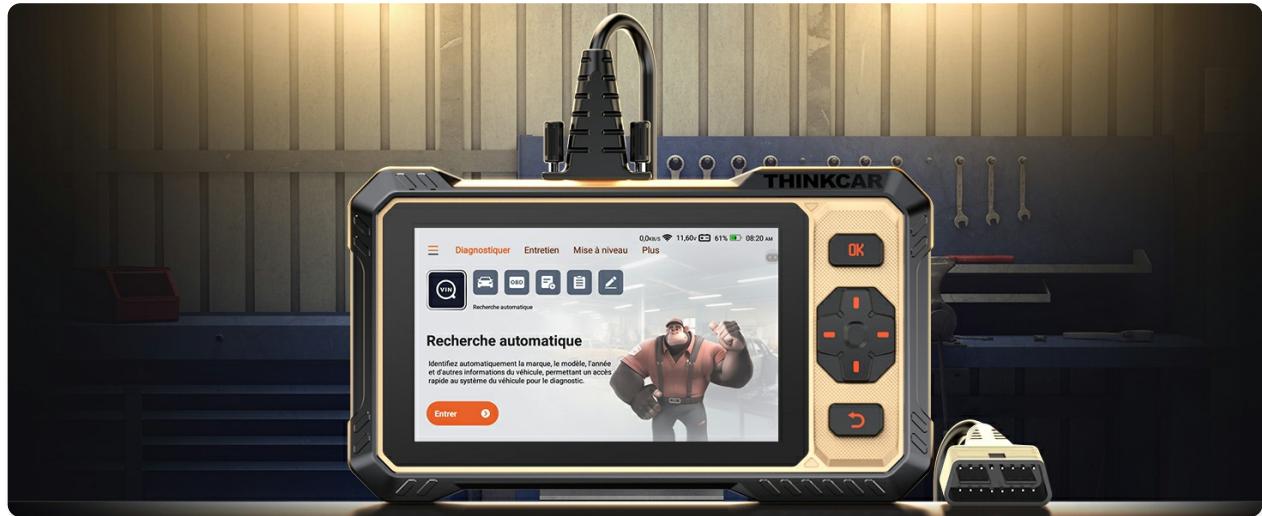


Image: The ThinkScan 662 screen showing the Auto VIN scanning process, automatically identifying vehicle details.

2.3 4-System Diagnosis

The ThinkScan 662 provides comprehensive diagnostics for the four main vehicle systems: Engine, Transmission, Anti-lock Braking System (ABS), and Supplemental Restraint System (SRS/Airbag). It can read and clear fault codes, analyze data streams, and quickly identify issues within these systems.

- **Engine System:** Reads and clears engine fault codes, displays live data, and performs emission-related tests.
- **Transmission System:** Diagnoses issues related to the automatic gearbox, including fluid temperature, shift points, and clutch engagement.
- **ABS System:** Checks for faults in the anti-lock braking system, including wheel speed sensors and hydraulic control unit.
- **SRS (Airbag) System:** Diagnoses issues with the airbag system, including crash sensors, airbag modules, and seatbelt pretensioners.

Éteindre Rapidement le Voyant d'Alerte



Diagnostic du Système Moteur OBDII

- Vérifier les codes d'erreur en attente
- Vérifier les codes d'erreur permanents
- Surveiller la correction du carburant, la température, le capteur d'oxygène, etc.



Image: A visual representation of the 4-system diagnostic capabilities, highlighting Engine, SRS, ABS, and Transmission systems.

2.4 Bidirectional Control (Active Tests)

This advanced function allows the diagnostic tool to send commands to vehicle ECUs to perform active tests, verifying the functionality of various components. Examples include adjusting the throttle, controlling window operation, activating mirrors, or sounding the horn. This helps pinpoint issues quickly and efficiently.

Plus de 4000+ Tests Actifs

Seulement comparable à un outil d'analyse bidirectionnel professionnel de plus de 1000\$



Image: The device screen showing active test options, with illustrations of vehicle components being tested.

2.5 12 Reset Functions

The ThinkScan 662 supports 12 common maintenance reset functions, enabling users to perform routine services without needing specialized garage equipment:

- **Oil Reset:** Resets the oil life system after an oil change.
- **Brake Reset:** Resets the electronic parking brake (EPB) system after brake pad replacement.
- **SAS Reset:** Resets the steering angle sensor.
- **DPF Regeneration:** Manages diesel particulate filter regeneration.
- **ABS Bleeding:** Bleeds air from the ABS system.
- **BMS Reset:** Registers a new battery with the ECU.
- **Injector Coding:** Codes new injector numbers to the ECU.
- **TPMS Reset:** Resets tire pressure monitoring system sensors.
- **Throttle Adaptation:** Relearns throttle body position.
- **Gearbox Reset:** Resets transmission adaptive learning values.
- **IMMO Reset:** Disables lost keys and programs new keys (for vehicles with basic IMMO systems).
- **Airbag Reset:** Clears airbag crash data.

Compatibilité Universelle

Pour
1000+
Véhicule



Remarque : avant d'acheter, veuillez envoyer les informations du véhicule pour vérifier la compatibilité

Image: A grid showing icons and names for the 12 common maintenance reset functions available on the device.

2.6 Live Data Stream and DTC Lookup

Monitor real-time data from the vehicle's ECU, displayed as text or 4-in-1 graphs. This allows for detailed analysis of vehicle performance. The built-in DTC library provides clear explanations for diagnostic trouble codes, aiding in accurate problem identification.



Image: The ThinkScan 662 screen showing a live data stream with multiple parameters displayed in a graphical format for real-time monitoring.

2.7 Diagnostic Report

After a diagnostic session, the device can generate a comprehensive report. This report can be saved, shared via email, or printed for further analysis or record-keeping.

3. MAINTENANCE

3.1 Software Updates

The ThinkScan 662 offers free lifetime software updates. Regularly check for and install updates to ensure your device has the latest vehicle coverage and diagnostic functions. Updates are typically performed via WiFi.

3.2 Cleaning and Storage

Keep the device clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents. Store the device in its protective case in a cool, dry place away from direct sunlight and extreme temperatures.

4. TROUBLESHOOTING

- Device not powering on:** Ensure the device is fully charged or connected to the vehicle's OBDII port. Check the charging cable and adapter.
- Unable to connect to vehicle:** Verify the OBDII cable is securely connected to both the device and the vehicle's port. Ensure the vehicle's ignition is on.
- Error codes not clearing:** After diagnosing an error code, the underlying vehicle issue must be repaired. Attempting to clear codes without repair may result in the code reappearing.
- FCA SGW vehicles (2018+):** For full functionality on FCA vehicles with a Security Gateway (SGW), you must activate FCA AutoAuth. The ThinkScan 662 provides access, but AutoAuth charges a fee.
- Limited system diagnosis:** The ThinkScan 662 supports 4-system diagnosis. For full system diagnosis, consider models like ThinkScan 672, ThinkScan 689, or ThinkScan 689BT.

5. SPECIFICATIONS

Feature	Detail
Model	ThinkScan 662-FR
Processor	Cortex A53 Quad-Core 1.8 GHz
Operating System	Android 8.1
Display	6.2-inch Touchscreen (1024x600)
Battery Capacity	4150 mAh
Charging Port	Type-C
Communication Protocol	CAN FD, OBDII (post-1996 vehicles)
Supported Languages	28 languages (including English, French, German, Spanish)
Weight	1 Kilogram
Dimensions	25.9 x 16.3 x 7.6 cm

6. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official THINKCAR website or contact their customer service. Ensure you register your product to receive timely updates and support.

For specific vehicle compatibility inquiries, it is recommended to provide your vehicle's information to THINKCAR customer service before purchase.