

**THINKCAR**  
LEADING TECH IN DIAGNOSTICS

## THINKSCAN 689&689BT 共用英文说明书

尺寸: 120\*160mm

材质: 封面157g哑粉纸, 彩印

内页80g铜版纸, 单黑

工艺: 封皮过哑胶, 内页过油, 骑马钉

注: 加工工艺和材料必须通过RoHS认证

物料编码: 1-07-01-0691 THINKSCAN 689&689BT 共用英文说明书

版本V2.0

文件名称: THINKSCAN 689&689BT 共用英文说明书

设计:

画幅

朱志豪 20240527

公司名称: 深圳市星卡科技股份有限公司

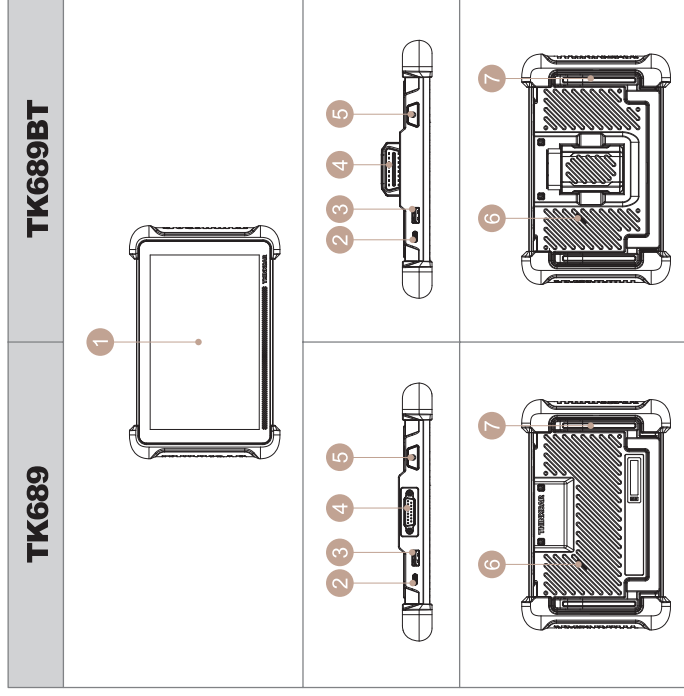
视角 比例 1:1

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## 1 Product Overview



1. **Touch Screen:** 8 inches touch screen.
2. **Charging Port:** Type-C charging port for charger or data transmission.
3. **USB expansion slot:** For connecting USB expansion module.
4. **Diagnostic cable interface (TK689):** Connect to car OBD port for diagnosis;
5. **Diagnostic connector (TK689BT):** Bluetooth diagnostic connector, connect to car OBD port for diagnosis.
6. **Power/Screen Lock Button:** Long press for 3 seconds to turn on or off, single press to lock/unlock the screen.
7. **Loudspeaker:** Indicate product connection status and important information.
7. **Bracket:** Place the product on the desktop.

## 2 Technical Specifications

### Host Computer

Display: 8" display  
 Resolution: 1280\*800 pixel  
 Working Environment: 0°C~50°C (32°F~122°F)  
 Storage Environment: -20°C~60°C (-4°F~140°F)  
 Model TK689:  
 Working voltage:9~18V  
 Working current: ≤1.2A  
 Model TK689BT:  
 Working voltage:5V  
 Working current: 2.5A

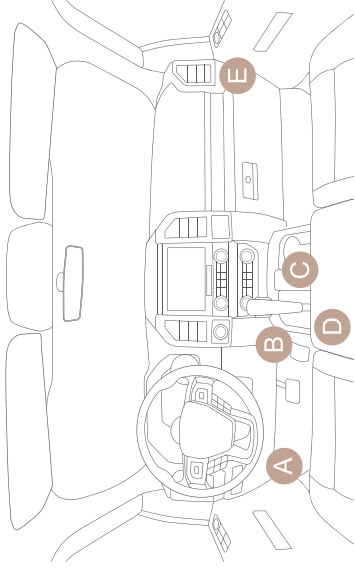
### Thinkscan VCI

Model TK689BT:  
 Working Voltage: 9~18V  
 Working Current: ≤130mA  
 Working Environment: 0°C~50°C (32°F~122°F)  
 Storage Environment: -20°C~60°C (-4°F~140°F)

## 3 How To Use

### Data Link Connector (DLC) Location

The DLC (Data Link Connector or Diagnostic Link Connector) is typically a 16 pin connector where diagnostic code readers interface with the vehicle's on board computer. The DLC is usually located 12 inches from the center of the instrument panel (dash), under or around the driver's side for most vehicles. If Data Link Connector is not located under dashboard, a label should be there telling location. For some Asian and European vehicles, the DLC is located behind the ashtray and the ashtray must be removed to access the connector. If the DLC cannot be found, refer to the vehicle's service manual for the location.  
 Connect the THINKSCAN host computer with your vehicle through the OBDII port/diagnostic connector. Usually, the OBD port is located under the dashboard, above the pedal on the driver's side. The five locations shown in the picture are common OBDII port locations.



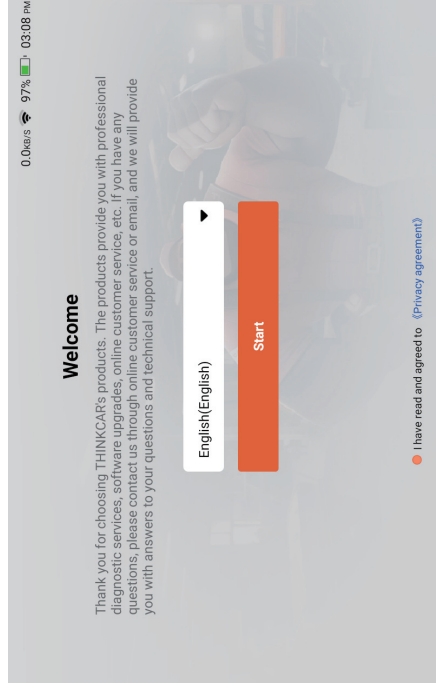
### 3.1 Turn on the device

After pressing the power button, image will be shown on the screen as follow.



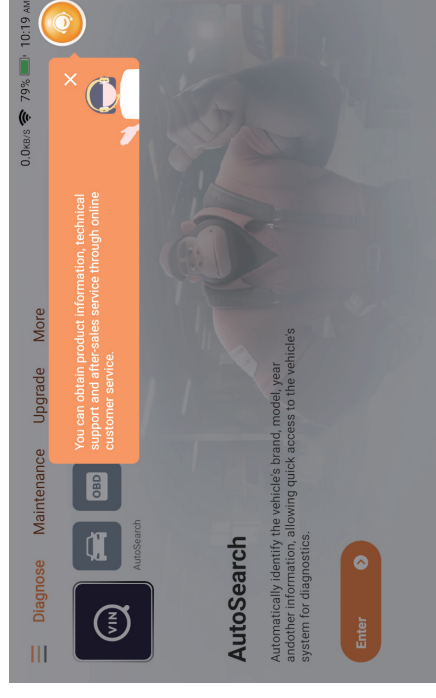
### 3.2 Language Setting

Select the tool language from the languages displayed on the page, if you do not select a language, the default language is English. Please read and agree to the privacy agreement. Click the Start button to start using this product.



### 3.3 Start using

When you enter the product homepage, you can use the product functions. Our products provide online customer service functions. If you have any product-related questions, you can get technical support through online customer service. We have a professional team to provide you with services.



**3.4 Connect Wi-Fi (Recommend)**

For a better product experience, we recommend that you connect to Wi-Fi then check and update to the latest software version before you start using the product. If there is no Wi-Fi, you can connect to the mobile hotspot, but please note that some software has a large capacity, so please pay attention to the data consumption in a non-Wi-Fi environment to avoid additional data consumption and incurring fees.

**4 Function Descriptions**

The THINKSCAN provides 4 functional modules, including Diagnose, Maintenance, Upgrade, More. In addition, there are shortcuts to the above functions.

*Tips: Please note that manual and product pages may differ due to version updates.*

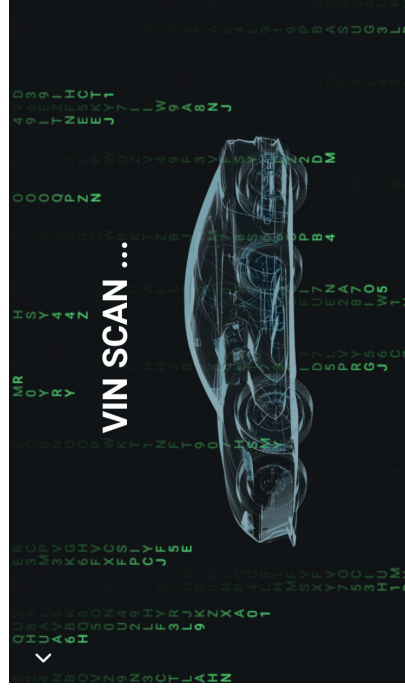
**4.1 Diagnose**

Full system diagnosis: it supports more than 140 automobile brands, smart diagnosis , full-system and full-function diagnosis: read fault codes, clear fault codes, read real-time data streams, special functions, action tests, etc. A diagnostic report will be automatically generated after the diagnosis.



**4.1.1 AutoSearch**

AutoSearch can automatically read the car's VIN number, manufacturer and year of manufacture. If the vehicle information cannot be read, you can enter it manually and continue the diagnosis.



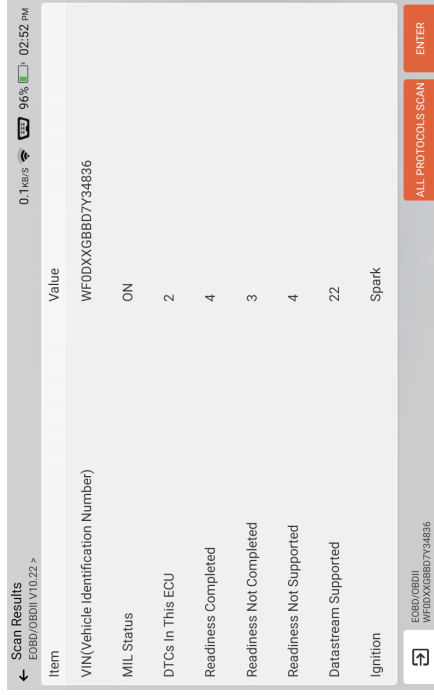
**4.1.2 Diagnose**

The diagnose module supports manual vehicle selection. You can filter by vehicle region, brand, model, etc. Using this function requires you to have a full understanding of the diagnostic vehicle information. If you do not know enough about the vehicle information, it is recommended that you use AutoSearch to automatically identify the vehicle information and perform diagnosis.



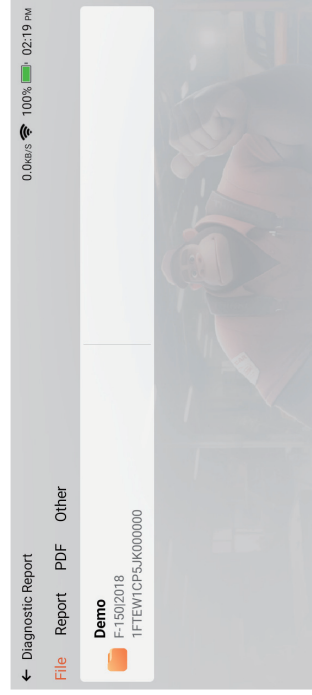
### 4.1.3 OBD

OBD (On-Board Diagnostics) is a system found in most modern vehicles that monitors and diagnoses the performance of various components. It allows mechanics and car owners to access real-time data and troubleshoot issues more efficiently. OBD can provide information about engine speed, fuel efficiency, emission levels, and sensor readings. Additionally, it can detect and display fault codes, enabling technicians to identify and fix problems quickly. Overall, OBD plays a crucial role in vehicle maintenance and helps ensure optimal performance and reduced emissions. When you click the OBD button, the connection will automatically start. After the connection is successful, you will enter the OBD diagnostic page.



### 4.1.4 Report

Historical vehicle diagnostic reports can be found here.



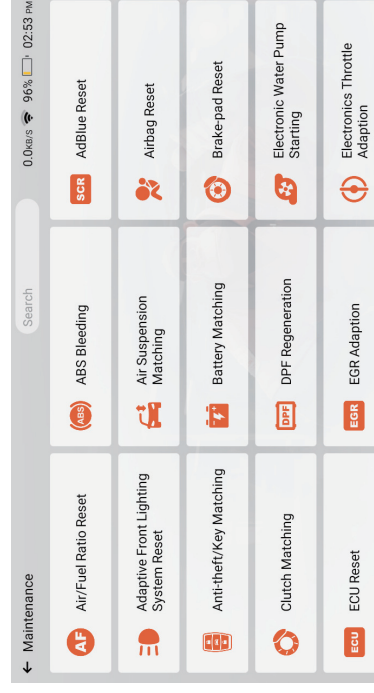
### 4.1.5 History

The diagnosed vehicle records will be displayed here. Click to view the diagnosis records. If you diagnose a vehicle that has been diagnosed in the history records again, click the arrow in the history records to quickly diagnose the vehicle again.



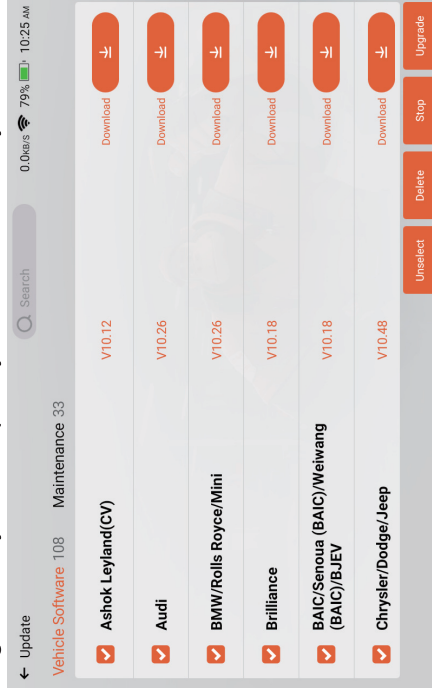
### 4.2 Maintenance

The reset function in car maintenance refers to the ability to reset certain maintenance indicators or parameters in a vehicle's onboard computer system. This feature allows users to clear or restart specific maintenance-related notifications or tracking systems.



## 4.3 Upgrade

This module supports you to download and update vehicle model software and maintenance software. And you can delete the software you no longer use in this module to save memory. The search box is at the top of the page, through which you can quickly find the software you need.



## 4.4 More

This module provides a variety of functions, including Online Service, query function, system settings, etc. The following is a brief explanation of each function to help you quickly understand and use the product.

### 4.4.1 Settings

System settings for the product host. After the initial setting is completed, the user can modify or add related information here.

### 4.4.2 Online Service

Online manual customers provide you with product-related consultation and services.

### 4.4.3 User Manual

Electronic manual of the product. If you lose the paper manual, you can view the electronic version here.

### 4.4.4 OBD Fault Code Library

If you encounter a fault code that you do not understand during the diagnosis process, you can check the detailed explanation of the fault code here.

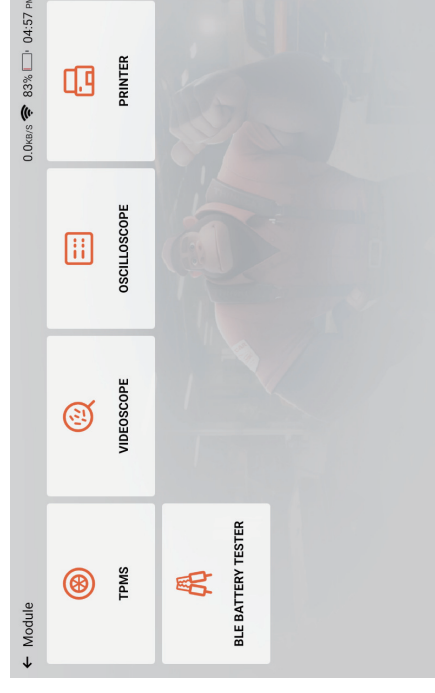
## 4.4.5 Coverage List

Check the models and functions supported by this product.

## 4.4.6 Module

It is the entry to use modular function components. On the screen, you can find and use functional modules already connected to the host, check functional modules already bought or buy functional modules needed. Supports USB printer, USB oscilloscope, USB video scope, Bluetooth battery tester, tire pressure stick(TPMS), etc.

*Tips: These functions are optional.*



## 4.4.7 Feedback

You can feedback the diagnostic software/app bugs to us for analysis and improvements.

Your submitted questions will be analyzed and provided with solutions by professionals.

## 4.4.8 Remote Assistance

Provide service support through the use of remote assistance software.

Different regions can choose different remote assistance software according to your needs. Please note that before using the remote assistance software, please communicate with the staff through the online customer service to arrange the assistance time so that the technical staff can provide assistance.



#### 4.4.9 Gadget

Provide tools such as chrome.

#### 4.5 Quick access

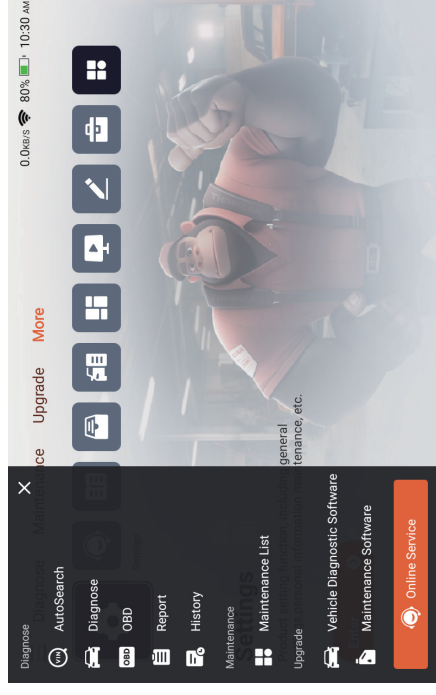
4.5.1 Quick access to settings

Swipe down from the screen to display the system settings shortcut keys. Supports Wi-Fi, Bluetooth, screenshot, screen recording, screen flip, screen brightness adjustment, and volume adjustment.



#### 4.5.2 Function shortcuts

Click the icon in the upper left corner of the home screen to display the shortcut menu of product functions. Click the corresponding product function to quickly enter the function.





Here we list some common questions and answers related to this tool.

**Q:** Why does it have no responses when connected to a car computer?

**A:** Check whether the connection with the vehicle diagnostic seat is normal, whether the ignition switch is on, and whether the car supports the tool.

**Q:** Why does the system stop while reading the data stream?

**A:** This may be caused by loose connectors. Please turn off the tool, connect the connector firmly, and then turn it on again.

**Q:** Why does the host screen flash when the engine ignition starts?

**A:** It is normal and caused by electromagnetic interference.

**Q:** How to upgrade the system software?

- A:**
1. Start the tool and ensure a stable Internet connection.
  2. Set up: select "System Version", and then click "Check Version" to enter the system upgrade interface.
  3. Complete the process by following the instructions on the screen step by step. It may take a few minutes depending on the internet speed. Please be patient. After successfully completing the upgrade, the tool will automatically restart and enter the main interface.

**Q:** How to add function modules?

**A:** THINKCAR TECH INC offers 5 other functional modules. You can buy them on the official website or contact dealer.

**Q:** Why does it have no diagnostic results for my car?

**A:** This may be caused by the incompatibility of the vehicle model. Please use the online customer service to inquire whether your vehicle model is supported.

**Warranty Terms**

This warranty applies only to users and distributors who purchase THINKCAR products through normal procedures. Provide free warranty within one year. THINKCAR warranty including electronic products for damages caused by defects in materials or workmanship. Damages to the equipment or components caused by abusing, unauthorized modification, using for non-designed purposes, operation in a manner not specified in the instructions, etc. are not covered by this warranty. The compensation for dashboard damage caused by the defect of this equipment is limited to repair or replacement. THINKCAR does not bear any indirect and incidental losses. THINKCAR will judge the nature of the equipment damage according to its prescribed inspection methods.

THINKCAR TECH CO.,LTD.

Customer Service Email: support@mythinkcar.com

Official Website: www.mythinkcar.com

Products tutorial, videos, Q&A and coverage list are available on Thinkcar official website.

Follow us on

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@ObdThinkcar

**SIMPLIFIED EU DECLARATION OF CONFORMITY**

Hereby, THINKCAR TECH CO., LTD. declares that this equipment is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

[https://h5.mythinkcar.com/update\\_app/productcbec](https://h5.mythinkcar.com/update_app/productcbec)

**FCC Statement**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help
- This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**SAR Information Statement (TK689)**

Your Automotive Diagnostic Tool is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for Automotive Diagnostic Tool employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. \* Tests for SAR are conducted with the Automotive Diagnostic Tool transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the Automotive Diagnostic Tool while operating can be well below the maximum value. This is because the Automotive Diagnostic Tool is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a Automotive Diagnostic Tool model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this Automotive Diagnostic Tool when worn on the body, as described in this user guide, is 0.44 W/Kg (Body-worn measurements differ among Automotive Diagnostic Tool models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various Automotive Diagnostic Tool and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this Automotive Diagnostic Tool with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this Automotive Diagnostic Tool is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on

FCC ID: 2AUARTK689 Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>. \* In the United States and Canada, the SAR limit for Automotive Diagnostic Tool used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. The SAR test distance is 0mm.

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#### **IC Statement**

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC: " before the certification/registration number only signifies that the Industry Canada technical specifications were met. This product meets the applicable Industry Canada technical specifications.

Cet appareil contient des émetteurs / récepteurs exempts de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada.

L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage,

et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

#### **SAR Information Statement (TK689)**

Your Automotive Diagnostic Tool is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Innovation, Science and Economic Development Canada of the Canada Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for Automotive Diagnostic Tool employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the ISED is 1.6 W/kg. \* Tests for SAR are conducted with the Automotive Diagnostic Tool transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the Automotive Diagnostic Tool while operating can be well below the maximum value. This is because the Automotive Diagnostic Tool is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a Automotive Diagnostic Tool is available for sale to the public, it must be tested and certified to the ISED that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the ISED for each model. The highest SAR value for this Automotive Diagnostic Tool when worn on the body, as described in this user guide, is 0.44 W/kg (Body-worn measurements differ among Automotive Diagnostic Tool, depending upon available accessories and ISED requirements). While there may be differences between the SAR levels of various Automotive Diagnostic Tool and at various positions, they all meet the government requirement for safe exposure. The ISED has granted an Equipment Authorization for this Automotive Diagnostic Tool with all reported SAR levels evaluated as in compliance with the ISED RF exposure guidelines. SAR information on this Automotive Diagnostic Tool is on file with the FCC and can be found under the Display Grant section of <https://fms-sgs.ic.gc.ca/> after searching on IC: 26415-TK689 Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) web-site at <http://www.wow-com.com>. \* In the United States and Canada, the SAR limit for Automotive Diagnostic Tool used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements. The SAR test distance is 0mm.

**Déclaration d'information SAR(TK689)**

Votre outil de Diagnostic automobile est un émetteur et un récepteur radio. Il est conçu et fabriqué pour ne pas dépasser les limites d'émissions d'exposition à l'énergie des radiofréquences (RF) établies par Innovation, sciences et développement économique Canada du gouvernement du Canada. Ces limites font partie de lignes directrices exhaustives et établissent les niveaux autorisés d'énergie RF pour la population générale. Les lignes directrices sont fondées sur des normes élaborées par des organismes scientifiques indépendants à la suite d'une évaluation périodique et approfondie d'études scientifiques. Les normes comprennent une marge de sécurité importante conçue pour assurer la sécurité de toutes les personnes, quels que soient leur âge et leur état de santé. La norme d'exposition pour l'outil de Diagnostic automobile utilise une unité de mesure connue sous le nom de débit d'absorption spécifique, ou das. La limite de das fixée par l'ise est de 1,6 W/kg. \* les Tests de SAR sont effectués avec l'outil de Diagnostic automobile transmettant à son niveau de puissance certifié le plus élevé dans toutes les bandes de fréquence testées. Bien que le das soit déterminé au niveau de puissance certifié le plus élevé, le niveau de SAR réel de l'outil de Diagnostic automobile en fonctionnement peut être bien inférieur à la valeur maximale. C'est parce que l'outil de Diagnostic automobile est conçu pour fonctionner à plusieurs niveaux de puissance afin d'utiliser seulement la puissance requise pour atteindre le réseau. En général, plus vous êtes proche d'une antenne de station de base sans fil, plus la puissance de sortie est faible. Avant qu'un outil de Diagnostic automobile soit disponible pour la vente au public, il doit être testé et certifié à l'ise qu'il ne dépasse pas la limite établie par l'exigence adoptée par le gouvernement pour l'exposition sûre. Les tests sont effectués dans des positions et des emplacements (par exemple, au niveau de l'oreille et portés sur le corps) comme l'exige l'ise pour chaque modèle. La valeur de das la plus élevée pour cet outil de Diagnostic automobile lorsqu'il est porté sur le corps, comme décrit dans ce guide de l'utilisateur, est de 0.44 W/Kg (les mesures portant sur le corps diffèrent selon l'outil de Diagnostic automobile, en fonction des accessoires disponibles et des exigences d'ised). Bien qu'il puisse y avoir des différences entre les niveaux de das de divers outils de Diagnostic automobile et à divers postes, ils répondent tous aux exigences du gouvernement en matière d'exposition sécuritaire. L'ise a accordé une autorisation d'équipement pour cet outil de Diagnostic automobile avec tous les niveaux de das signalés évalués comme étant conformes aux lignes directrices de l'ise sur l'exposition aux RF. Les renseignements sur le das sur cet outil de Diagnostic automobile se trouvent dans les dossiers de la FCC et peuvent être trouvés dans la section subvention d'affichage de <https://sms-sgs.ic.gc.ca/> après avoir effectué une recherche sur IC: 26415-TK689 des renseignements supplémentaires sur les taux d'absorption spécifiques (das) peuvent être trouvés sur le site web de la Cellular Telecommunications Industry Association (CTIA) à <http://www.wow-com.com>. \* aux États-Unis et au Canada, la limite de das pour les outils de Diagnostic automobile utilisés par le public est de 1,6 watts/kg (W/kg) en moyenne pour un gramme de tissu. La norme comporte une marge de sécurité importante pour assurer une protection supplémentaire au public et pour tenir compte des variations éventuelles des mesures. La distance d'essai SAR est 0mm.

**SAR Information Statement (TK689BT )**

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## THINKCAR

### Déclaration d'information SAR(TK689BT)

Votre outil de Diagnostic automobile est un émetteur et un récepteur radio. Il est conçu et fabriqué pour ne pas dépasser les limites d'émissions d'exposition à l'énergie des radiofréquences (RF) établies par Innovation, sciences et développement économique Canada du gouvernement du Canada. Ces limites font partie de lignes directrices exhaustives et établissent les niveaux autorisés d'énergie RF pour la population générale. Les lignes directrices sont fondées sur des normes élaborées par des organismes scientifiques indépendants à la suite d'une évaluation périodique et approfondie d'études scientifiques. Les normes comprennent une marge de sécurité importante conçue pour assurer la sécurité de toutes les personnes, quels que soient leur âge et leur état de santé. La norme d'exposition pour l'outil de Diagnostic automobile utilise une unité de mesure connue sous le nom de débit d'absorption spécifique, ou das. La limite de das fixée par l'ise est de 1,6 W/kg. \* les Tests de SAR sont effectués avec l'outil de Diagnostic automobile transmettant à son niveau de puissance certifié le plus élevé dans toutes les bandes de fréquence testées. Bien que le das soit déterminé au niveau de puissance certifié le plus élevé, le niveau de SAR réel de l'outil de Diagnostic automobile en fonctionnement peut être bien inférieur à la valeur maximale. C'est parce que l'outil de Diagnostic automobile est conçu pour fonctionner à plusieurs niveaux de puissance afin d'utiliser seulement la puissance requise pour atteindre le réseau. En général, plus vous êtes proche d'une antenne de station de base sans fil, plus la puissance de sortie est faible. Avant qu'un outil de Diagnostic automobile soit disponible pour la vente au public, il doit être testé et certifié à l'ise qu'il ne dépasse pas la limite établie par l'exigence adoptée par le gouvernement pour l'exposition sûre. Les tests sont effectués dans des positions et des emplacements (par exemple, au niveau de l'oreille et portés sur le corps) comme l'exige l'ise pour chaque modèle. La valeur de das la plus élevée pour cet outil de Diagnostic automobile lorsqu'il est porté sur le corps, comme décrit dans ce guide de l'utilisateur, est de 0.34 W/Kg (les mesures portant sur le corps diffèrent selon l'outil de Diagnostic automobile, en fonction des accessoires disponibles et des exigences d'ised). Bien qu'il puisse y avoir des différences entre les niveaux de das de divers outils de Diagnostic automobile et à divers postes, ils répondent tous aux exigences du gouvernement en matière d'exposition sécuritaire. L'ise a accordé une autorisation d'équipement pour cet outil de Diagnostic automobile avec tous les niveaux de das signalés évalués comme étant conformes aux lignes directrices de l'ise sur l'exposition aux RF. Les renseignements sur le das sur cet outil de Diagnostic automobile se trouvent dans les dossiers de la FCC et peuvent être trouvés dans la section subvention d'affichage de <https://sms-sgs.ic.gc.ca/> après avoir effectué une recherche sur IC: 26415-TK689BT des renseignements supplémentaires sur les taux d'absorption spécifiques (das) peuvent être trouvés sur le site web de la Cellular Telecommunications Industry Association (CTIA) à <http://www.wow-com.com>. \* aux États-Unis et au Canada, la limite de das pour les outils de Diagnostic automobile utilisés par le public est de 1,6 watts/kg (W/kg) en moyenne pour un gramme de tissu. La norme comporte une marge de sécurité importante pour assurer une protection supplémentaire au public et pour tenir compte des variations éventuelles des mesures. La distance d'essai SAR est 0mm.