

## thinkcar S5 + 689BT

# THINKCAR S5 + 689BT Bidirectional Scan Tool User Manual

Model: S5 + 689BT

## 1. INTRODUCTION

This user manual provides detailed instructions for the operation and maintenance of your THINKCAR S5 + 689BT Bidirectional Scan Tool. This comprehensive diagnostic system is designed to assist automotive professionals and enthusiasts in accurately diagnosing vehicle issues, performing maintenance services, and accessing advanced vehicle functions. Please read this manual thoroughly before using the device to ensure proper and safe operation.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- ThinkScan Plus S5 ABS, SRS, TCM, ECM System CAN Diagnostic Scan Tool
- THINKSCAN 689BT All System Automotive Diagnostic Tool
- Bi-Directional OBD2 Scanner with ECU Coding
- 34 Maintenance Services
- 5-inch Touchscreen (ThinkScan Plus S5)
- 94 Brands Car Code Reader
- FCA AutoAuth Support
- Wireless Update Capability
- CANFD and DoIP Protocol Support (THINKSCAN 689BT)

### 2.2 Components

The THINKCAR S5 + 689BT package includes two primary diagnostic tools:

- **THINKSCAN 689BT:** A comprehensive bidirectional scan tool with advanced diagnostic capabilities, including ECU coding and extensive service functions. It features a tablet-like interface for detailed data display and interaction.
- **ThinkScan Plus S5:** A compact diagnostic tool focused on essential system diagnostics (ABS, SRS, TCM, ECM) with a user-friendly interface.



Figure 2.2.1: The THINKCAR S5 and 689BT Bidirectional Scan Tools, showing both devices included in the package.

## 3. SETUP

### 3.1 Initial Power On and Configuration

1. **Unboxing:** Carefully remove both the THINKSCAN 689BT and ThinkScan Plus S5 devices from their packaging.
2. **Charging:** Ensure both devices are sufficiently charged before first use. Connect them to a power source using the provided charging cables.
3. **Power On:** Press and hold the power button on each device until the screen illuminates.
4. **Language and Region Settings:** Follow the on-screen prompts to select your preferred language, time zone, and region.
5. **Wi-Fi Connection:** Connect the devices to a stable Wi-Fi network to enable software updates and online features.

### 3.2 Software Updates

It is crucial to keep your diagnostic tools updated to ensure compatibility with the latest vehicle models and access to new features. Connect to Wi-Fi and navigate to the 'Update' section on each device to download and install available software updates.

# Easier One-Click Start

This is super easy to do and gives you a second look at the state of the car



Auto VIN



Softwares Upgrade

PGM-FI/  
Diesel  
Engine

2

Enter

ABS  
Anti-Lock  
Braking System

✓

Enter

SRS  
Supplemental

✓

Enter

AT  
Automatic  
Transmission

✓

Enter



Auto Scan



Diagnostic Report

Figure 3.2.1: The 'Easier One-Click Start' interface, illustrating features like Auto VIN detection, software upgrades, auto scanning, and diagnostic report generation.

## 4. OPERATING INSTRUCTIONS

### 4.1 Connecting to a Vehicle

1. Locate the vehicle's OBD-II port, typically under the dashboard on the driver's side.
2. Connect the diagnostic cable from the THINKSCAN 689BT or ThinkScan Plus S5 to the vehicle's OBD-II port.
3. Ensure a secure connection. The device will power on automatically or prompt you to power it on.

### 4.2 Diagnostic Functions

Both devices offer robust diagnostic capabilities:



- **Auto VIN:** Automatically identifies the vehicle's make, model, and year for quick and accurate diagnosis.
- **Auto Scan:** Performs a comprehensive scan of all available vehicle systems to detect fault codes.
- **System-Specific Scans:** Access and diagnose specific systems such as Engine (ECM), Anti-lock Braking System (ABS), Supplemental Restraint System (SRS/Airbag), and Transmission Control Module (TCM).
- **Diagnostic Report:** Generates a detailed report of all detected issues and system statuses.

# Accuracy 99.9%

## For Scan Engine,ABS,Airbag,Transmission

When you connect to WiFi for diagnostics,  
it's more beneficial for the accuracy of the information.



Engine



ABS



Airbag



Transmission



Figure 4.2.1: The diagnostic tool's capability to accurately scan and report on critical vehicle systems including Engine, ABS, Airbag, and Transmission.

### 4.3 Live Data & On-Board Monitor Test

The THINKSCAN 689BT allows for in-depth analysis of real-time data from various vehicle sensors. This includes parameters like ABS RPM, engine temperature, misfire counts, and more. The On-Board Monitor Test helps verify the functionality of emission-related components.



Figure 4.3.1: A visual representation of the live data stream and on-board monitor test, displaying real-time sensor readings and diagnostic graphs.

#### 4.4 DTCs Lookup and Online Feedback

The device includes a built-in DTC (Diagnostic Trouble Code) lookup function to quickly understand the meaning of fault codes. For complex issues or technical assistance, the online feedback feature allows users to send problem descriptions directly to THINKCAR engineers for support.



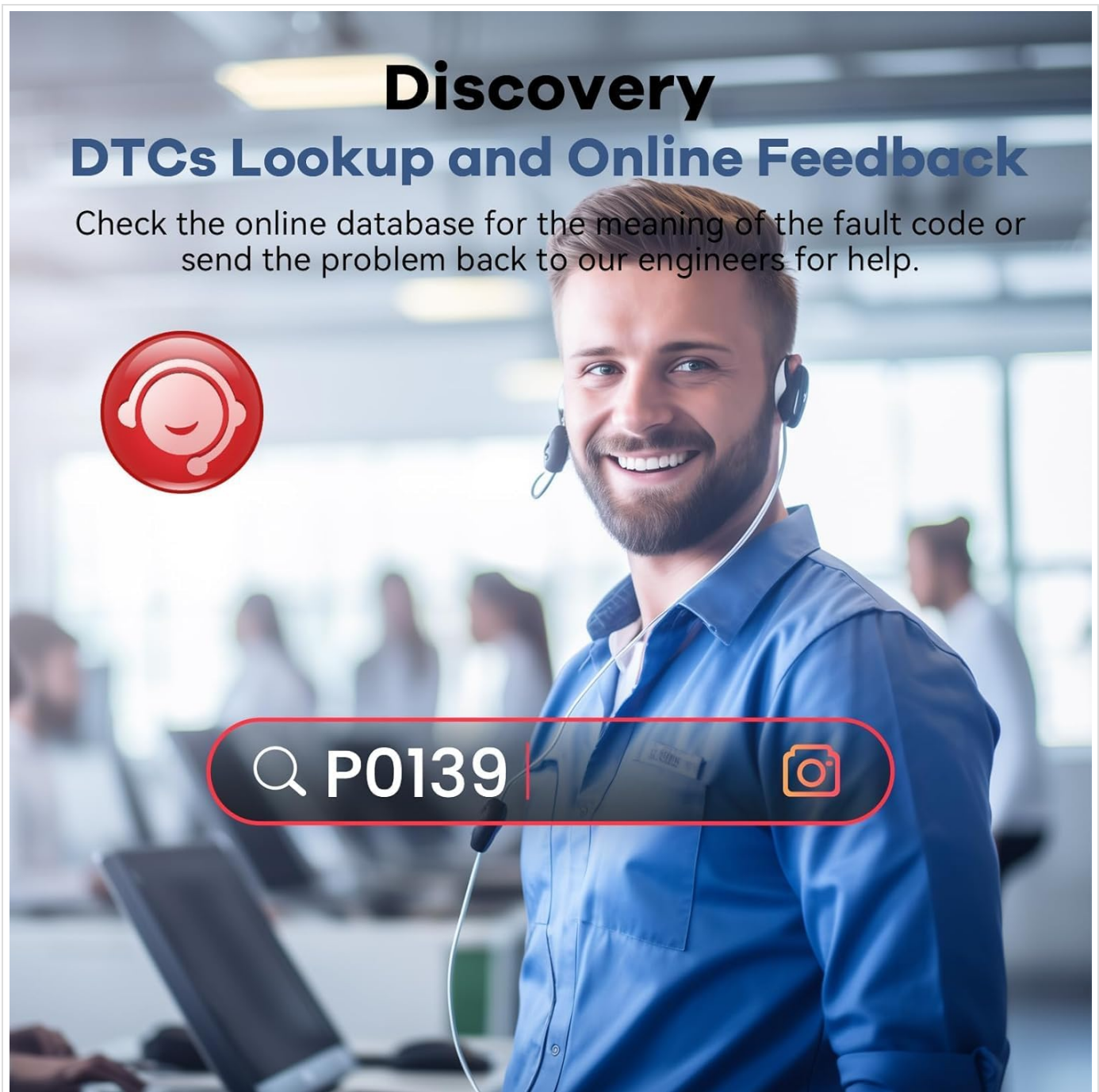


Figure 4.4.1: The interface for DTCs lookup and the online feedback system, enabling users to search for code meanings and request technical assistance.

## 5. MAINTENANCE

---

- **Cleaning:** Use a soft, dry cloth to clean the device screens and exterior. Avoid using abrasive cleaners or solvents.
- **Software Updates:** Regularly check for and install software updates via Wi-Fi to ensure optimal performance and compatibility.
- **Storage:** Store the devices in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Cable Inspection:** Periodically inspect the diagnostic cables for any signs of wear or damage. Replace if necessary.

## 6. TROUBLESHOOTING

---

### 6.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Device does not power on.	Low battery; Loose connection to OBD-II port.	Charge the device; Ensure the OBD-II cable is securely connected.
Unable to connect to vehicle.	Incorrect vehicle protocol; Damaged OBD-II cable; Vehicle's ignition is off.	Ensure vehicle ignition is on; Check cable for damage; Try another vehicle if possible.
Software update fails.	Unstable Wi-Fi connection; Insufficient storage space.	Connect to a stable Wi-Fi network; Clear unnecessary files to free up space.
Inaccurate diagnostic readings.	Outdated software; Sensor malfunction in vehicle.	Perform software update; Consult vehicle's service manual for sensor diagnostics.

## 7. SPECIFICATIONS

---

Attribute	Value
Brand	thinkcar
Model	S5 + 689BT
ASIN	B0DT8RH629
Date First Available	January 17, 2025
Key Features	Bidirectional Control, ECU Coding, 34 Services, All System Diagnostics (ABS, SRS, TCM, ECM), Wireless Update, FCA AutoAuth, CANFD & DoIP Support

## 8. WARRANTY AND SUPPORT


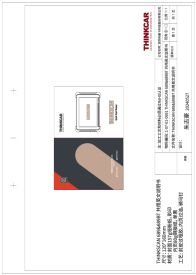
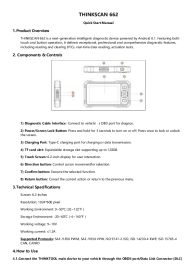
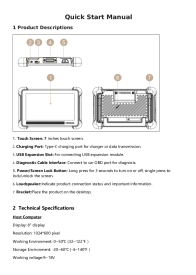

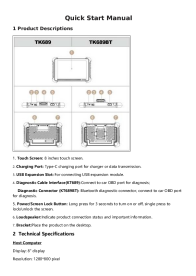
---

### 8.1 Return Policy

This product is typically eligible for a 30-day return policy from the date of purchase, allowing for refunds or replacements. Please refer to your purchase platform's specific return policy for detailed terms and conditions.

### 8.2 Technical Support

For technical assistance, software issues, or advanced troubleshooting, please utilize the online feedback feature within the device's software or visit the official THINKCAR brand store for support resources and contact information. The brand store can be accessed via the following link: [THINKCAR Official Store](#).

	<p><a href="#">THINKSCAN 689 &amp; 689BT Diagnostic Tool Quick Start Manual</a></p> <p>Comprehensive quick start manual for THINKCAR THINKSCAN 689 and 689BT automotive diagnostic tools. Learn about product features, technical specifications, how to connect and use the device, perform full system diagnostics, maintenance resets, software upgrades, and access customer support. Includes troubleshooting Q&amp;A and warranty information for these OBDII scanners.</p>
	<p><a href="#">THINKSCAN 689 &amp; 689BT Quick Start Manual - Automotive Diagnostic Tool</a></p> <p>The THINKSCAN 689 &amp; 689BT Quick Start Manual provides comprehensive instructions for operating the THINKCAR automotive diagnostic tool. Learn about product features, technical specifications, how to connect and use the device for full system diagnosis, software upgrades, and maintenance functions. This guide covers OBDII diagnostics, fault code reading, real-time data streams, and accessing historical reports for efficient vehicle troubleshooting and maintenance.</p>
	<p><a href="#">THINKSCAN 662 Quick Start Manual</a></p> <p>A quick start guide for the THINKSCAN 662, an intelligent diagnostic device powered by Android 8.1. This manual covers product overview, components, technical specifications, usage instructions, function descriptions, Q&amp;A, and warranty terms.</p>
	<p><a href="#">THINKCAR THINKSCAN Quick Start Manual: Features, Usage, and Specifications</a></p> <p>Comprehensive quick start guide for the THINKCAR THINKSCAN diagnostic tool. Learn about product features, technical specifications, how to use it for vehicle diagnosis, maintenance, upgrades, and access support.</p>
	<p><a href="#">THINKSCAN HD Quick Start Manual: Automotive Diagnostic Tool Guide</a></p> <p>Comprehensive quick start guide for the THINKSCAN HD automotive diagnostic tool by THINKCAR. Covers product description, technical specifications, setup, functions, and troubleshooting for vehicle diagnostics.</p>
	<p><a href="#">THINKCAR TK689 TK689BT Quick Start Manual: OBD2 Diagnostic Tool Guide</a></p> <p>Explore the THINKCAR TK689 and TK689BT Quick Start Manual, a comprehensive guide for these advanced OBD2 diagnostic tools. Learn about product features, technical specifications, setup, Wi-Fi connectivity, and detailed function descriptions including full system diagnosis, maintenance resets, software upgrades, and troubleshooting FAQs. Optimize your vehicle diagnostics with THINKCAR's professional automotive scanner.</p>