

Product User Manual



MULTI-SCENE
COMPREHENSIVE DIAGNOSTIC TABLET

H02

New Energy Vehicle Diagnostic Tablet User Manual

CONTENTS

Copyright Notice and Safety Instructions

Trademark Notice	1
Copyright Notice	1
Disclaimer	1
Operating Instructions	1
Technical Support	1

Safety Precautions

Safety Symbol Description	1
Safety Precautions	1

1.Using This Manual

1.1 About This Manual	1
1.2 Conventions Used in This Manual	1
1.2.1 Safety Tips	1
1.2.2 Figure Description	1

2.Product Introduction

2.1 Product Overview	1
2.2 System Composition	1
2.3 H02 Tablet	1
2.3.1 Product Appearance	1
2.3.2 Power Supply	1
2.3.3 Technical Specifications	1
2.4 VCI (Vehicle Communication Interface)	1
2.4.1 Product Introduction	1
2.5 SYNTREK PAD Tablet Application	1
2.5.1 Software Introduction	1
2.5.2 Key Features	1
2.6 Package Contents	1

3.Getting Started

3.1 Power On	1
3.1.1 Main Interface Functions Overview	1

3.2 Power Off	1
3.3 System Restart	1
3.4 Navigation Bar and Shortcut Operations	1
(1) Top Navigation Bar	1
① Serial Number Switching	1
② VCI Connection Status	1
(2) Right Record Panel	1
① Screen Recording	1
② Screenshot	1

4.SYNTREK PAD Software Management

4.1 Software Overview	1
4.2 Software Startup	1
4.3 Software Update	1
4.4 Software Troubleshooting	1

5.User Login

5.1 Login	1
5.2 Bluetooth Connection	1

6.Diagnostic

6.1 Establish Vehicle Communication	1
6.2Diagnostic Operations	1
6.2.1Vehicle Menu Layout	1
6.2.2 Quick Test	1
6.2.3 Control Unit	1
6.2.4 ECU Information	1
6.2.5 DTC	1
6.2.6 Live Data	1

7.Component Test / Special Functions

7.1 Special Functions Access	1
7.2 Component Test	1

8.Download Center

8.1 Vehicle Data Download	1
8.2 Special Functions Download	1
8.3 Previous Versions Download	1

9.Toolbox

9.1 DTC Lookup	1
----------------------	---

9.2 Pin Voltage	1
-----------------------	---

10.Settings

10.1 System Information	1
10.2 Search Engine	1
10.3 Operating Mode	1
10.4 Software Version Type	1
10.5 Reset Basic Data	1
10.6 User Guide	1
10.7 Help and Feedback	1
10.8 Firmware Update	1
10.9 Language	1
10.10 Privacy Policy	1
10.11 Upgrade	1

11.Data Management and Playback

11.1 Playback	1
11.2 Data Management	1
11.2.1 Image Management	1
11.2.2 Vehicle Model Management	1
11.2.3 Video Management	1

12.Frequently Asked Questions (FAQ)

Q1: Tablet fails to power on	1
Q2: VCI fails to connect	1
Q3: Unable to establish communication with the vehicle	1
Q4: How to perform a factory reset	1

13.Appendix

13.1 Company Profile	1
About Jiangxi Hanzhi Technology Co., LTD	1
13.2 Technical Support	1

Copyright Notice and Safety Instructions

Copyright Notice and Safety Instructions

SYNTREK® is a trademark registered or pending registration in China and other countries/regions by Jiangxi Hanzhi Technology Co., Ltd. All other product names, trademarks, or registered trademarks mentioned in this document are the property of their respective owners.

Copyright Notice

Without the prior written permission of Jiangxi Hanzhi Technology Co., Ltd., no individual or entity may reproduce, distribute, translate, modify, extract, or store the whole or any part of this manual in any retrieval system, or use it for any other commercial purposes, in any form or by any means.

Disclaimer

The product information, technical specifications, interface screenshots, and illustrations in this manual are prepared based on the latest available data at the time of publication. Due to continuous product upgrades and functional optimization, Jiangxi Hanzhi Technology Co., Ltd. reserves the right to modify or update the product design, software features, technical specifications, and the contents of this manual without prior notice.

We have made every effort to ensure that the contents of this manual are accurate and complete. However, we do not guarantee that all information is entirely free from omissions or errors. In the event of any discrepancies between the actual product and the descriptions in this manual due to product upgrades, the actual product shall prevail. To the fullest extent permitted by law, Jiangxi Hanzhi Technology Co., Ltd. shall not be liable for any direct, indirect, incidental, or consequential damages arising from the use of this product or this manual, including but not limited to data loss, business interruption, loss of profits, and the like.

Operating Instructions

Before installing, operating, maintaining, or repairing this equipment, please read this manual carefully and strictly follow the instructions contained herein. If any damage to the equipment, personal injury, or other losses occur due to failure to comply with the requirements of this manual, the user shall bear the corresponding responsibility.

Technical Support

 Website: <https://www.SYNTREK.com.cn>

 Email: 1427227415@gg.com

 Support: + 86 15927571423

Safety Precautions

To ensure the personal safety of operators and prevent damage to the equipment or the vehicle, please carefully read and understand the following safety instructions before using this product.

Automotive repair involves a variety of vehicle models, different control systems, and diverse repair processes. Specific repair methods may vary depending on the vehicle model and configuration. Operators should possess the necessary professional knowledge in automotive repair and perform diagnostics and repairs in accordance with the maintenance procedures specified by the vehicle manufacturer.

Before using this equipment, please also read and comply with:

- **This user manual;**
- **The repair manual provided by the manufacturer of the vehicle being tested;**
- **The operating instructions for the related equipment and accessories;**
- **Local laws, regulations, and operational standards concerning work safety.**

Always use the equipment in a safe and properly regulated environment.

Safety Symbol Description

Safety symbols in this manual indicate various risk levels. Please read them carefully.

Danger

Indicates an imminently hazardous situation. If not avoided, will result in death or serious injury.

Warning

Indicates a potentially hazardous situation. If not avoided, could result in death or serious injury.

Caution

Indicates a risk that may result in equipment damage, vehicle malfunction, data loss, or minor personal injury.

Safety Precautions

- ▲ When performing diagnostics on new energy vehicles, always follow the safety procedures specified by the vehicle manufacturer. Operations involving the high-voltage system must be performed by qualified personnel.

Additionally, when using this equipment, please strictly comply with the following safety requirements:

- **Please use the power adapter and charging cable supplied with this product for charging. The company shall not assume any liability for device damage resulting from the use of non-original or non-compliant charging equipment.**
- **Wear safety goggles that meet safety standards and other necessary personal protective equipment during operation.**

- Please use the power adapter and charging cable supplied with this product for charging. The company shall not assume any liability for device damage resulting from the use of non-original or non-compliant charging equipment.
- Ensure that clothing, hair, hands, tools, and test equipment are kept away from rotating engine parts, hot components, and other moving mechanisms.
- When the engine is running, keep the service area well-ventilated and avoid inhaling exhaust fumes.
- Before performing diagnostics, place the vehicle in Park (P, for automatic transmission) or Neutral (N, for manual transmission) and engage the parking brake.
- It is recommended to place wheel chocks in front of and behind the drive wheels. Do not leave the vehicle unattended during testing.
- Do not connect or disconnect diagnostic equipment while the ignition is on or the engine is running, to avoid damaging the vehicle's electronic control systems.
- Do not touch the ignition system, high-voltage wiring, or components near the spark plugs while the engine is running, to prevent electric shock from high voltage.
- The work area shall be equipped with fire extinguishing apparatus suitable for gasoline, chemical, and electrical fires.
- Keep the equipment clean and dry. Avoid exposing it to water, oil, grease, or corrosive liquids. When cleaning the equipment, use a soft, dry cloth or a cloth lightly dampened with a mild neutral detergent.
- Do not operate this equipment while driving a vehicle, as it may distract the driver and cause a traffic accident.
- Strictly follow the diagnostic procedures specified by the vehicle manufacturer. Failure to do so may result in equipment damage, vehicle malfunction, or personal injury.
- To ensure accurate diagnostic results, confirm that the vehicle battery is sufficiently charged and that the VCI is securely connected to the vehicle DLC (Data Link Connector).
- Do not use or store this equipment in high-temperature, humid, flammable, explosive, or strong-magnetic-field environments.
- Do not disassemble, modify, or repair this equipment on your own. If the equipment malfunctions, contact after-sales service personnel for assistance.
- Do not place the equipment near ignition coils, distributors, or other sources of strong electromagnetic interference, as this may affect normal operation or cause damage to the equipment.

Using This Manual

1.1 About This Manual

Welcome to the SYNTREK H02 Smart Diagnostic Terminal Tablet.

This manual provides a comprehensive overview of the product components, installation and connection procedures, software functions, operating methods, and safety precautions to help you use the product quickly and safely. Before using the device for the first time, please read this manual carefully and keep it in a safe place for future reference.

Due to continuous product upgrades, the actual software interface, functions, or configurations may differ slightly from the descriptions in this manual. Please refer to the actual display on the device for accurate information.

1.2 Conventions Used in This Manual

1.2.1 Safety Tips

The following symbols are used in this manual to indicate different levels of important information:

Note

Used to provide supplementary explanations, operational tips, or other information that helps in understanding the product.

Important

Indicates that failure to follow the required procedures may result in damage to the equipment, the vehicle, or data.

1.2.2 Figure Description

The images in this manual are for reference purposes only.

Due to factors such as software versions, vehicle configurations, or product upgrades, the actual interface may differ from what is shown in this manual. Please refer to the actual display and menu labels on the device.

2 Product Introduction

2.1 Product Overview

SYNTREK PAD is an intelligent diagnostic software for new energy vehicles, installed on the SYNTREK H02 Smart Diagnostic Terminal.

The complete system consists of the H02 tablet, the VCI (Vehicle Communication Interface), and the SYNTREK PAD application. It enables vehicle diagnostics, fault detection, special functions, data management, and more.

The system integrates cloud-based data resources to provide repair technicians with diagnostic support, service information, and technical guidance, helping to improve vehicle repair efficiency and diagnostic accuracy.

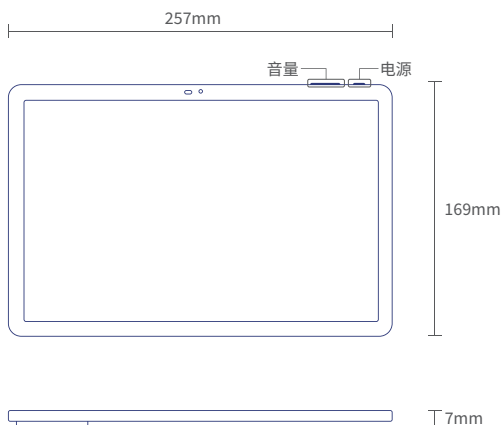
2.2 System Composition

The SYNTREK Smart Diagnostic System mainly consists of the following components:

- **H02 Tablet:**Runs the SYNTREK PAD application and serves as the human-machine interface terminal of the entire system.
- **VCI :** Responsible for establishing communication between the vehicle and the tablet,enabling vehicle data reading, fault diagnosis, and special function operations.
- **SYNTREK PAD Application:** Provides functions such as new energy diagnosis, batterypack testing, component testing, special functions, software download, and more.

2.3 H02 Tablet

2.3.1 Product Appearance



The H02 tablet features a 10.1-inch HD touchscreen and is mainly composed of the following parts:

- 1. LCD touchscreen
- 2. Type-C charging port
- 3. Power button
- 4. Power button

Screen Specifications: 10.1-inch TFT-LCD capacitive touchscreen

2.3.2 Power Supply

The H02 tablet supports the following power supply methods:

- Built-in lithium battery power
- Power supply and charging via the included Type-C power adapter

⚠ Notice

Do not charge the device when the ambient temperature is below 0 °C or above 45 °C, as this may affect battery performance or shorten its service life.

The device is equipped with a built-in rechargeable lithium battery. Under normal usage conditions, it can operate continuously for approximately 8 hours when fully charged. Actual battery life may vary depending on factors such as the operating environment, functions being used, and screen brightness.

2.3.3 Technical Specifications

Item	Parameter
Product Model	H02
Overall dimensions	252.6x 166.7 x 14.5 mm
Display screen	10.1inch TFT-LCD Capacitive Touchscreen
Resolution	1920x 1200
Processor	MediaTek MT8786 Octa-core
Storage	8 GB + 128GB
Operating System	Android 15
Wi-Fi	IEEE 802.11 a/b/g/n/ac
Bluetooth	Bluetooth 5.2
Battery Capacity	10000mAh
Charging Port	Type-C (9V/2A)
Operating Temperature	0 ~ 60°C (32 ~ 122°F)
Storage Temperature	-20 ~ 60°C (-4 ~ 140°F)
Supported Languages	-Multilingual

2.4 VCI (Vehicle Communication Interface)

2.4.1 Product Introduction

The VCI (Vehicle Communication Interface) is used to establish communication between the vehicle and the H02 tablet.

It connects to the vehicle via the OBD-II (DLC) diagnostic port and communicates with the H02 tablet via Bluetooth, enabling vehicle data reading, fault diagnosis, live data analysis, and special function operations.

The device supports commonly used diagnostic functions for new energy vehicles, including air conditioning compressor testing, on-board charger testing, and more than ten other special functions.

Technical Specifications

Item	Specifications
Dimensions	115 x50x28mm
Connectivity	Bluetooth5.2
Port	OBD-II/DLC
Weight	767g

2.5 SYNTREK PAD Tablet Application

2.5.1 Software Introduction

SYNTREK PAD is an intelligent diagnostic application designed for new energy vehicle maintenance technicians.

The software establishes communication with the vehicle via the VCI, enabling a range of functions including new energy diagnostics, traction battery pack testing, special functions, component testing, software downloads, and data management. It provides technicians with a professional and efficient vehicle diagnostic solution.

2.5.2 Key Features

SYNTREK PAD offers the following key features:

- Built-in lithium battery power
- Supports diagnosis of multiple new energy vehicle brands from Asia, Europe, and the Americas.
- Supports diagnosis of whole-vehicle electronic control systems, enabling quick retrieval of vehicle fault information and generation of diagnostic reports.
- Supports a range of special functions including air conditioning compressor testing, on-board charger (OBC) testing, maintenance light reset, and more.
- Supports online DTC lookup, issue feedback, screenshot capture, screen recording, and online software updates.

2.6 Package Contents

The product package contains the following items:

Item	Quantity
H02 Tablet	1
vcl	1
Main Test Cable	1
Type-C Data Cable	1
Power Adapter	1
Quick Start Guide	1

If any items are found missing or damaged during transportation, please contact your distributor or technical support personnel promptly.

3 Getting Started

This chapter introduces the fundamental operations of the SYNTREK H02 SmartDiagnostic Terminal, including powering on the device, main interface functions, shutting down, and system restart.

Before using the device for the first time, please confirm the following:

- **The H02 tablet is sufficiently charged;**
- **The SYNTREK PAD application has been properly installed;**
- **The VCI (Vehicle Communication Interface) and associated connection cables are ready for use.**

3.1 Power On

Before using the SYNTREK H02 Smart Diagnostic Terminal, ensure that the device has sufficient battery power or connect it to an external power source via the Type-C power adapter.

Startup procedure:

- 1. Press and hold the power button on the side of the H02 tablet until the screen lights up;**
- 2. Wait for the system to finish booting and enter the Android desktop;**
- 3. Tap the SYNTREK PAD application icon to enter the Diagnostic Center main interface ready for use.**



Figure 3-1 H02 Startup Screen

NOTES

- **During vehicle diagnostics, do not disconnect the VCI from the vehicle arbitrarily.**
- **Before shutting down the device, exit the current diagnostic application and terminate vehicle communication to avoid abnormalities in the vehicle's electronic control units caused by communication interruption.**

- **Do not operate this equipment while driving.**

The H02 tablet features a touchscreen interface that allows users to access device functions through tap, swipe, and other touch gestures.

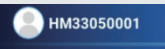
The **SYNTRAK PAD** main interface provides access to various function modules,including New Energy Diagnostics, Traction Battery Testing, Special Functions, Data Management, and more.



Figure 3-2 SYNTRAK PAD Main Interface Layout

3.1.1 Main Interface Functions Overview

Name	Button	Description
New Energy Diagnostics		Accesses the new energy vehicle diagnostic functions, allowing retrieval of vehicle information, control system checks, DTC reading and clearing, live data viewing, and more.
Traction Battery Pack Testing		Used to check the status of the new energy vehicle's traction battery system, including battery data reading and status analysis.
Component Test		Used for testing and functional verification of vehicle-related components.
Special Functions		Provides special operations required during vehicle maintenance, such as initialization, replacement, calibration, etc.

Download Center		Used for downloading and updating vehicle data, special function data, and other resources.
Data Management		Manages images, videos, and downloaded data resources saved on the device.
Data Playback		Used to review saved live data recordings to assist in analyzing vehicle fault conditions.
Diagnostic Report		Views and manages diagnostic reports generated during vehicle diagnostics.
Feedback		Uploads diagnostic logs, submits issue descriptions, and provides feedback to the technical support team.
Toolbox		Provides auxiliary tools such as vehicle lookup, DTC lookup, pin voltage measurement, and more.
Settings		Configures system parameters, views device information, performs software updates, and more.
Connection Status		Displays the connection status between the H02 tablet and the (VCI Vehicle Communication Interface).
Switch Serial Number		Switches the bound device serial number.
Recorder		Provides screenshot and screen recording functions for convenient documentation of the diagnostic process.

3.2 Power Off

Before shutting down the H02 tablet, please confirm the following:

- **The current vehicle diagnostic task has been completed;**
- **The SYNTREK PAD diagnostic application has been exited;**
- **Communication between the VCI and the vehicle has been terminated.**

If the device is forcibly shut down while communicating with the vehicle controlsystem, it may cause communication abnormalities. In severe cases, this could affectthe vehicle's electronic control systems.

Steps to shut down the H02 tablet:

- 1. Press and hold the power button on the tablet;**
- 2. In the pop-up system menu, select "Power Off";**
- 3. Tap Confirm and wait for the device to complete the shutdown process.**

NOTE

Do not force power off the device while vehicle communication is in progress. If the vehicle needs to be reconnected, follow the normal procedure by restartingSYNTREK PAD and re-establishing communication.

3.3 System Restart

When the H02 tablet experiences operational anomalies, applicationunresponsiveness, or system freezes, you can restore normal operation by restarting the device.

Restart procedure:

- 1. Press and hold the power button on the tablet;**
- 2. Select "Restart" from the system menu;**
- 3. Wait for the device to automatically complete the restart.**

If the device does not respond properly, you can perform a forced restart by pressing and holding the power button for a few seconds.

NOTE

Forced restart may cause loss of unsaved data. Please avoid performing a forced restart during vehicle diagnostics.

3.4 Navigation Bar and Shortcut Operations

The **SYNTREK PAD** main interface provides a quick operation area that allows usersto conveniently view device status, switch device information, and perform screen recording operations.

The quick operation area on the main interface mainly includes:

- **The top navigation bar;**
- **The right record panel.**

(1) Top Navigation Bar

The top navigation bar is used to view the device connection status and manage the current login information.

① Serial Number Switching

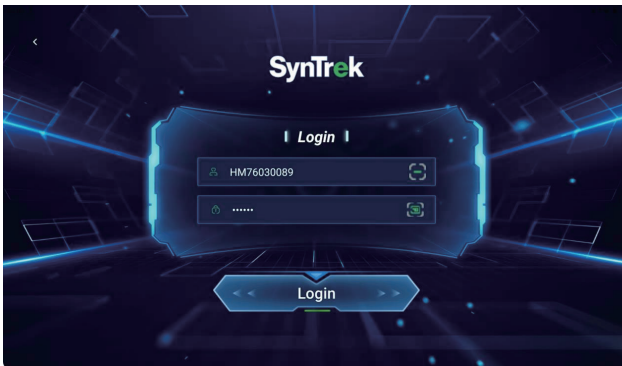
Users can switch the currently bound device by using the serial number switching function.

Procedure:

1. Tap the user information (serial number) area in the upper-left corner of the main interface;
2. Enter the login screen;
3. Enter the device serial number and activation code information for the device to be switched;
4. After completing the login, the device switch is now effective.

⚠ NOTE

Before switching the serial number, please confirm that the current device has exited any ongoing diagnostic tasks.



② VCI Connection Status

The VCI Connection Status indicates the communication status between the HO2 tablet and the VCI (Vehicle Communication Interface).

To check the VCI connection status, tap the connection status icon in the upper-right corner of the main interface.

Status indicator:

- **Gray icon: VCI is not connected;**
- **Green icon: VCI is successfully connected.**

If the VCI fails to connect, please check the following:

- **Whether the VCI is properly connected to the vehicle's OBD port;**
- **Whether the vehicle ignition is turned on;**
-

(2) Right Record Panel

The right record panel provides quick access to screenshot and screen recording functions, allowing you to save the diagnostic operation interface during the process.

Tap the Recorder button on the right side of the SYNTREK PAD interface to expand the screenshot and screen recording options.

① Screen Recording

The screen recording function is used to record the device operation process, making it convenient to save diagnostic procedures or report issues.

Procedure:

- 1. Tap the "Recorder" button;**
- 2. Select the "Screen Recording" function;**
- 3. Choose the recording range;**
- 4. Enter a file name and confirm to start recording.**

During recording, the screen recording icon will display the recording status. Tap the screen recording button again to stop recording.

Once recording is complete, the video file will be saved automatically.

① Screenshot

The screenshot function is used to capture and save the current screen display.

Procedure:

- 1. Tap the "Recorder" button;**
- 2. Select the "Screenshot" function;**
- 3. The system will automatically save the current interface.**

When the screenshot is successfully taken, the system will display a "Save successful" message.

All recorded video and screenshot files can be viewed and managed via: Main Interface > Data Management.

4 SYNTREK PAD Software Management

4.1 Software Overview

The SYNTREK HO2 Smart Diagnostic Terminal comes with the **SYNTREK PAD** application pre-installed from the factory. Users do not need to install any software themselves to access the diagnostic functions.

The SYNTREK PAD software includes:

- **New Energy Diagnostics;**
- **Traction Battery Pack Testing;**
- **Component Test;**
- **Special Functions;**
- **Data Management;**
- **Software Update;**

and other functions.

4.2 Software Startup

Users can start **SYNTREK PAD** by following these steps:

1. **Turn on the H02 tablet;**
2. **Tap the SYNTREK PAD icon on the desktop;**
3. **Wait for the application to finish loading.**

4.3 Software Update

SYNTREK PAD supports online software updates.

Before updating, please confirm the following:

- **The tablet is connected to a stable Wi-Fi network;**
- **The battery is sufficiently charged;**
- **Do not turn off the device during the update process.**

Update procedure:

1. **Go to "Settings";**
2. **Tap "Update";**
3. **Check for the latest version;**

Follow the on-screen prompts to complete the update.

4.3 Software Troubleshooting

When **SYNTREK PAD** encounters an abnormality, you may try the following:

1. **Close and restart the application;**
2. **Check the network connection;**
3. **Restart the H02 tablet;**
4. **Contact technical support.**

5 User Login

Before using **SYNTREK PAD** for the first time, user login or device activation is required.

5.1 Login

The login procedure is as follows:

1. Tap the **SYNTREK PAD** icon on the desktop of the H02 tablet to launch the application;
2. On the login screen, enter the device serial number (S/N) and activation information;
3. If the device supports barcode scanning, tap the scan button on the right side of the serial number input field to scan the barcode on the VCI device label and automatically obtain the serial number;
4. After entering the required information, tap the "Login" button.

Once the system successfully verifies the device information, you will be taken to the **SYNTREK PAD** main interface.

NOTE

- Please ensure that the device serial number and activation information are entered correctly;
- A device serial number is typically paired with one VCI (Vehicle Communication Interface). Do not switch to an unbound device arbitrarily;
- If login fails, check the network connection or contact technical support.

5.2 Bluetooth Connection

SYNTREK PAD connects to the VCI (Vehicle Communication Interface) via Bluetooth to enable vehicle data communication.

Connection procedure:

1. Connect the VCI to the vehicle's OBD-II diagnostic port;
2. Turn on the vehicle ignition to power the VCI;
3. Enter the **SYNTREK PAD** main interface. The system will automatically search for the bound VCI device;
4. Once the VCI connection is successful, the connection status icon on the interface will indicate the connection status.

If the VCI fails to connect automatically, follow these steps to troubleshoot:

- Verify that the VCI is properly connected to the vehicle's OBD port;
- Verify that the vehicle ignition is turned on;
- Verify that Bluetooth on the H02 tablet is enabled;

Retry the connection to the VCI from the connection status interface.

6 Diagnostic

SYNTREK PAD diagnostic functions are designed to detect the electronic controlsystems of new energy vehicles. After connecting to the vehicle via the VCI, the device can read control unit information, retrieve diagnostic trouble codes, view livedata, and perform related diagnostic operations.

Supported systems include but are not limited to:

- **Vehicle Control Unit (VCU);**
- **Battery Management System (BMS);**
- **Motor Control System;**
- **On-board Charger (OBC);**
- **Thermal Management System;**
- **Body Control System, and more.**

Actual supported functions may vary depending on vehicle configuration and software version.

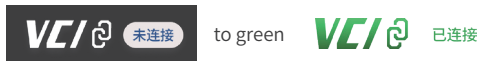
6.1 Establish Vehicle

Before using the diagnostic functions, ensure that the H02 tablet, the VCI, and the vehicle are properly connected.

Procedure:

1. **Plug the VCI into the vehicle's DLC (OBD-II) diagnostic port;**
2. **Turn on the vehicle ignition;**
3. **Confirm that the Bluetooth connection between the VCI and the H02 tablet is successfully established;**
4. **Enter the "New Energy Diagnostics" function and select the corresponding vehicle model to start diagnostics.**

NOTE: After the Bluetooth connection is successfully established, the color in the upper-right corner of the SYNTREK PAD interface will change from gray



6.2 Diagnostic Operations

Before accessing the diagnostic program for the first time, please confirm the following:

- **The VCI is properly connected to the vehicle;**
- **Bluetooth communication is functioning normally;**
- **The corresponding vehicle data has been downloaded.**

6.2.1 Vehicle Menu Layout

After entering the diagnostic function, you can select the target vehicle by choosing its brand, model, and system path.

Example:

New Energy Diagnostics > BYD > Model Selection > Qin > Hybrid Edition > QuickTest

The software menus and supported functions may vary by vehicle model. Please refer to the actual display on the device for accurate information.

6.2.2 Quick Test

The Quick Test function is used to quickly scan the electronic control units (ECUs) in the vehicle and read the fault status of each system.

Procedure:

- 1. Enter the vehicle diagnostic menu;**
- 2. Tap "Quick Test";**
- 3. The system will automatically scan the vehicle's control systems;**
- 4. Once the scan is complete, the diagnostic results will be displayed.**

Diagnostic results interpretation:

- **Systems with no faults are displayed as normal;**
- **Systems with faults show the corresponding number of fault codes;**
- **Tap on a specific system to view detailed fault information.**

6.2.3 Control Unit

The Control Unit function is used to manually select a target electronic control module in the vehicle for testing.

Depending on the vehicle model, the following functions are available:

System Information

View control unit information, including:

- **ECU name;**
- **Software version;**
- **Hardware version;**
- **Other vehicle control information.**

Fault Codes

Read or clear diagnostic trouble codes (DTCs) in the control unit.

Live Data

View real-time operating parameters of the vehicle control systems.

Actuation Test

Perform functional tests on vehicle actuators or components.

Special Functions

Execute operations required during vehicle maintenance, such as initialization, matching, calibration, etc. Supported functions may vary depending on the vehicle model.

6.2.4 ECU Information

The ECU Information function is used to read detailed information from the vehicle's electronic control unit.

The following information may be displayed: electronic control unit:

- **Control unit name;**
- **Software version;**
- **Hardware number;**
- **Manufacturer information, etc.**

The specific information available may vary between different ECUs. If you have any questions, please contact technical support.

6.2.5 DTC

The Diagnostic Trouble Code (DTC) function is used to read fault information from the vehicle control systems and assist maintenance personnel in fault analysis.

1. Read Fault Codes

After operation, the system will read the current fault codes from the vehicle control modules.

Fault information typically includes:

- **Fault code;**
- **Fault description;**
- **Current status;**
- **Related data.**

Some vehicle models support viewing freeze frame data.

Function Description:

Freeze Frame

Used to view the operating parameters saved by the vehicle when a fault occurred.

Online Search

Query DTC-related descriptions and reference repair information via the network.

Clear Fault Codes

Used to clear the fault codes that have been read.

NOTE

Before clearing fault codes, confirm that the cause of the fault has been identified and the repair has been completed.

2. Clear Fault Codes

After completing the repair, use the Clear Fault Codes function to delete the fault records stored in the vehicle control units.

Procedure:

- 1. Enter the fault code interface;**
- 2. Tap the "Clear Fault Codes" icon;**
- 3. Read the prompt information;**
- 4. Confirm to perform the clear operation;**
- 5. After the operation is complete, read the fault codes again to verify the clearing result.**

NOTE

Clearing fault codes does not repair the vehicle fault. If the root cause is not resolved, the fault codes may reappear.

6.2.6 Live Data

The Live Data function is used to view real-time operating parameters of the vehicle control systems. After entering the Live Data interface, the system will display a data list of the current control module.

Users can:

- **View real-time parameters;**
- **Select key data items;**
- **Scroll through the data list;**
- **Analyze vehicle status based on data changes.**

The data items supported may vary by vehicle model. Please refer to the actual display on the vehicle for accurate information.

7 Component Test / Special Functions

Special Functions are used to perform specific operations on the vehicle's related control systems during new energy vehicle maintenance.

Through Special Functions, maintenance personnel can perform initialization, matching, calibration, or functional settings on relevant control units according to vehicle service requirements.

The special functions supported may vary by vehicle model. Please refer to the actual display on the device for accurate information.

7.1 Special Functions Access

Access procedure:

1. Tap "Special Functions" on the SYNTREK PAD main interface;
2. The system will display the special functions list interface;
3. Select the corresponding vehicle brand and the desired function item;
4. Follow the on-screen prompts to complete the operation.



7.1 Special Functions Access

Component Test is used to check the operating status of vehicle-related components by actively controlling them to verify whether they are functioning properly.

Access procedure:

1. Tap "Component Test" on the SYNTREK PAD main interface;
2. Select the corresponding vehicle system;
3. Select the component to be tested;
4. Follow the prompts to perform the test.



NOTE

- Before performing Special Functions or Component Tests, ensure that the vehicle meets the required operating conditions;
- Keep the VCI connection to the vehicle stable during testing;
- Some functions may require specific conditions such as adequate vehicle voltage, ignition status, etc.

8 Download Center

The Download Center is used to manage the vehicle data, special function data, and other resources required for **SYNTREK PAD**.

Before using a vehicle model's functions for the first time, please download the corresponding data via the Download Center.

Access: Tap "Download Center" on the **SYNTREK PAD** main interface to enter the resource download screen.

If the system prompts that a "Basic Data" update is available, follow the prompts to complete the update to ensure proper software operation.

8.1 Vehicle Data Download

Vehicle data is used to support diagnostic functions for different brands and models.

Download procedure:

1. Enter the "Download Center";
2. Tap the "Vehicle Data" option at the top to access the vehicle data list;
3. Select the vehicle data to be downloaded:
 - Tap a single vehicle icon to select the corresponding model;
 - Tap the "Select All" button in the upper-left corner to batch-select multiple vehicle data sets;
4. Tap the "Download" button in the upper-right corner to start downloading the selected vehicle data;
5. To download a single vehicle, tap the download button to the right of the corresponding vehicle entry;
6. Once the download is complete and the data is extracted, you can access the "New Energy Diagnostics" or "Traction Battery Pack Testing" functions to use the diagnostic features for the corresponding vehicle model.

To find a specific vehicle model:

1. Tap the search box in the upper-right corner;
2. Enter the vehicle model name or keyword;
3. The system will automatically display matching results.

NOTE

Before downloading, please ensure the following:

- The H02 tablet is connected to a stable Wi-Fi network;
- The battery is sufficiently charged;
- There is adequate storage space for the download.

8.2 Special Functions Download

Special function data is used to support relevant functional operations during vehicle maintenance.

Download procedure:

1. Enter the "Download Center"
2. Tap the "Special Functions" option at the top;
3. Select the special functions to be downloaded:
 - Tap an individual function icon to select it;
 - Tap the "Select All" button for batch selection.
4. Tap the "Download" button in the upper-right corner to start downloading;
5. After the download is complete, the functions can be accessed in the "Special Functions" or "Component Test" modules.

To find a specific function:

1. Tap the search box;
2. Enter the function name;
2. View the matching results.

NOTE

The special functions supported may vary by vehicle model. Please refer to the actual display on the device for accurate information.

8.3 Previous Versions Download

Some vehicle data or special functions support downloading previous versions.

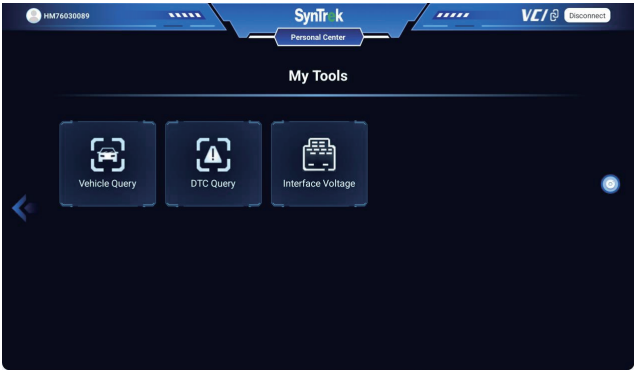
Procedure:

1. Tap the version information of the corresponding item in the download list;
2. View the available previous versions;
3. Select the desired version and download it.

9 Toolbox

The Toolbox provides auxiliary diagnostic functions to help maintenance personnel quickly access information and assist in fault diagnosis.

Access: Tap "Toolbox" on the **SYNTRÉK PAD** main interface.



9.1 DTC Lookup

DTC Lookup is used to quickly search for diagnostic trouble code (DTC) information.

Procedure:

1. Tap "DTCLookup";
2. Enter the fault code, e.g., B0011;
3. Tap "Search";
4. View the DTC description and related information.



9.2 Pin Voltage

The Pin Voltage function is used to check the voltage status of each pin on the VCIinterface, helping to assess the power supply and communication conditions of the vehicle diagnostic port.

Procedure:

1. Connect the VCI to the vehicle's OBD port;
2. Enter the "Pin Voltage" function;
3. View the voltage status of each pin.

NOTE

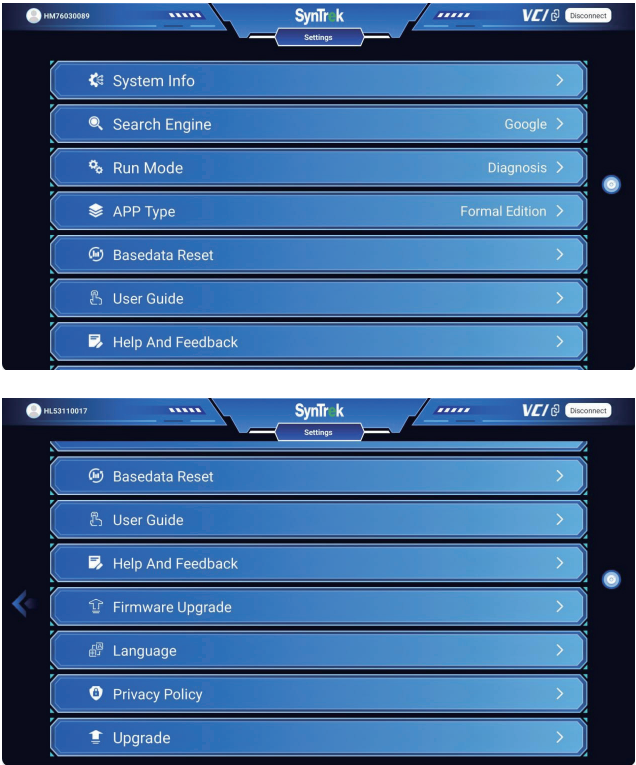
Before testing, confirm that the VCI is properly connected to the vehicle.



10 Settings

Tap the "Settings" icon on the SYNTREK PAD main interface to enter the system settings screen.

The Settings function is used to manage device information, software version, operating mode, language, and other system parameters.



10.1 System Information

System Information is used to view information related to the current device and software.

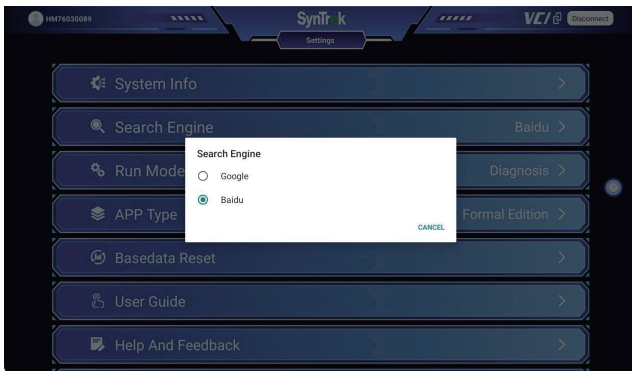
Includes:

- **Product Name;**
- **Product Version;**
- **Device Serial Number (S/N);**
- **VCI Firmware Version;**
- **Total Storage Capacity;**
- **Device Serial Number (S/N);**



10.2 Search Engine

The Search Engine is used to configure the search service for online DTC queries. Users can switch the query engine as needed.



10.3 Operating Mode

Operating Mode is used to switch the device working state.

The following modes are supported:

Diagnostic Mode Used to connect to the VCI device and perform actual vehicle diagnostics.

Prerequisites:

- **The VCI is connected to the vehicle;**
- **Communication between the VCI and the H02 tablet is normal.**

Demo Mode

Used to experience the diagnostic workflow without connecting to a vehicle or the VCI.

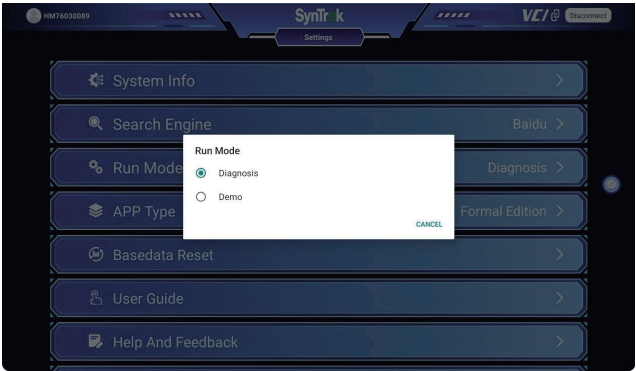
Demo Mode simulates the vehicle diagnostic interface, helping users:

- **Familiarize themselves with the software;**
- **Understand the diagnostic process;**

- **Demonstrate product features.**

NOTE

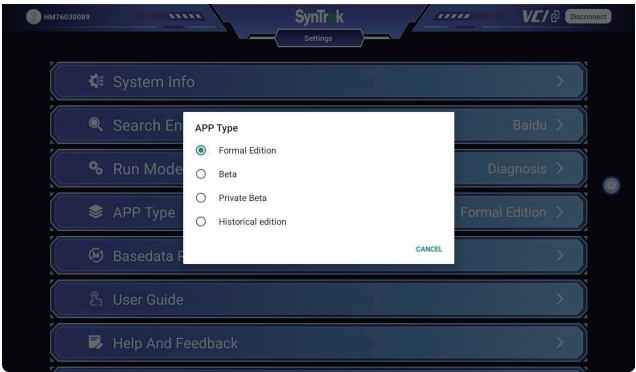
Demo Mode does not read actual vehicle data.



10.4 Software Version Type

Used to switch the current software version type.

Different versions may support different vehicle data sets or function ranges. Please select according to your actual needs.



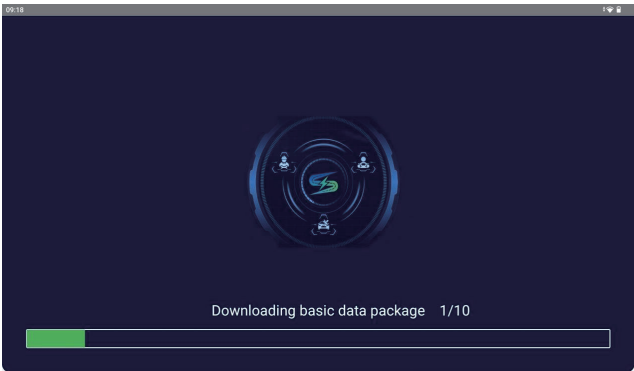
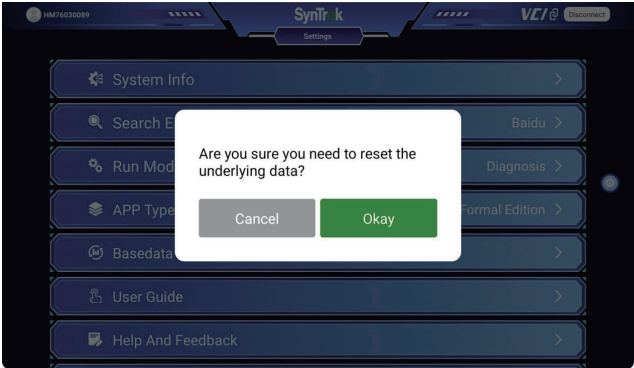
10.5 Reset Basic Data

Used to reset or refresh the software basic data.

When the following occur:

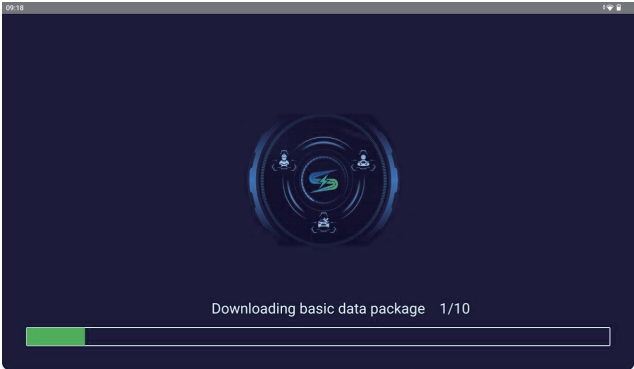
- **Data display anomalies;**
- **Download status errors;**
- **Software data update failures;**

You may try to perform a basic data reset.



10.6 User Guide

User Guide provides product operation tutorials.
Users can view relevant tutorial videos through this function.



10.7 Help and Feedback

Help & Feedback is designed to collect user issues and suggestions for improvement.

Users can submit:

- **Software abnormality information;**
- **Feature suggestions;**
- **Usage issues.**

Technical support personnel can analyze and address the feedback accordingly.



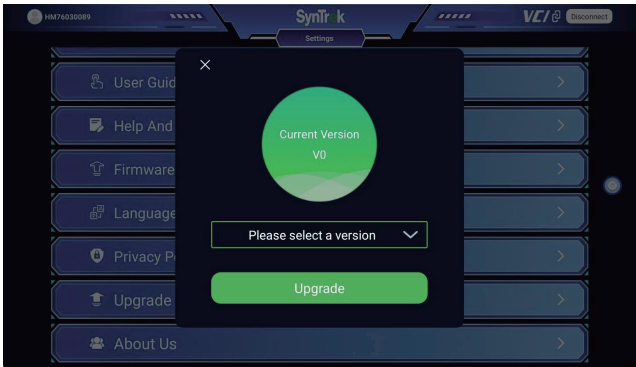
10.8 Firmware Update

Firmware Update is used to update the software program of the VCI (Vehicle Communication Interface).

Before updating, please confirm the following:

- **The VCI is connected;**
- **The tablet has a stable network connection;**
- **The battery is sufficiently charged.**

Follow the prompts to complete the upgrade.



10.9 Language

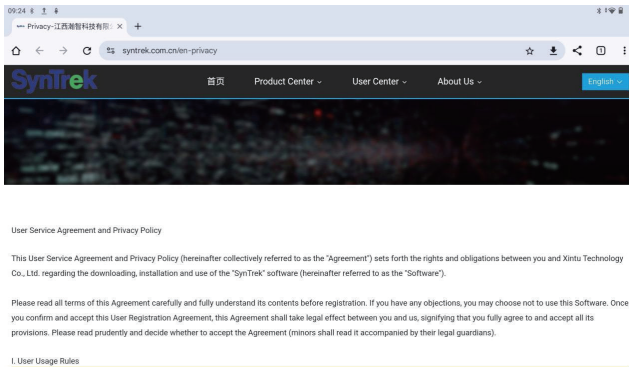
Used to switch the display language of **SYNTREK PAD**.

After selecting the target language, the system will update the interface display according to the setting.



10.10 Privacy Policy

Used to view the privacy policy of the **SYNTREK PAD** application.



10.11 Upgrade

Used to check for and update the **SYNTREK PAD** application version.

Update procedure:

1. Go to "Settings";
2. Tap "Update";
3. Check for the latest version;
4. Follow the prompts to complete the update.

NOTE

During the update, please maintain a stable network connection and do not turn off the device.



11 Data Management and Playback

11.1 Playback

Data Playback is used to review saved live data recordings.

Through this function, users can re-examine vehicle operating data to assist in fault cause analysis.



11.2 Data Management

Data Management is used to manage data saved on the device

Including:

- **Images;**
- **Videos;**
- **Vehicle Data.**

To access: Tap "Data Management" on the SYNTREK PAD main interface.

11.2.1 Image Management

Image Management is used to view and delete screenshots saved on the device.

Procedure:

1. Tap the "Images" tab;
2. View the saved images;
3. Tap an image to preview it;
4. Select the image(s) you wish to delete;
5. Tap the Delete button to complete the deletion.



11.2.2 Vehicle Model Management

Used to manage downloaded vehicle data and special function data.

Procedure:

- 1. Tap the "Vehicle Data" tab;
- 2. View the downloaded resources;
- 3. Select the data to be deleted;
- 4. Tap Delete.

NOTE

After deletion, the vehicle data will need to be re-downloaded before it can be used again.

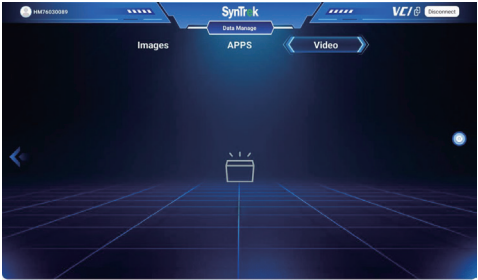


11.2.3 Vehicle Model Management

Used to manage screen recording files.

Procedure:

- 1. Tap the "Videos" tab;
- 2. View the recorded files;
- 3. Tap a video to play it;
- 4. Select the files you wish to delete;
- 5. Tap the Delete button to complete the deletion.



12 Frequently Asked Questions (FAQ)

Q1: Tablet fails to power on?

A:

Please check the following:

- 1. Whether the tablet has sufficient battery power;**
- 2. Whether the power adapter is connected;**
- 3. Charge the tablet for 10 minutes and then try powering it on again.**

If it still fails to power on, please contact technical support.

Q2: VCI fails to connect?

A:

Please check the following:

- 1. whether the VCI is properly plugged into the vehicle's OBD port;**
- 2. whether the vehicle ignition is turned on;**
- 3. whether Bluetooth on the H02 tablet is enabled;**
- 3. whether the VCI is bound to the current device.**

If the connection still fails, restart the H02 and the VCI, then try again.

Q3: Unable to establish communication with vehicle?

A:

Please check the following:

- 1. whether the VCI is properly connected;**
- 2. whether the vehicle ignition is turned on;**
- 3. whether the corresponding vehicle data has been downloaded;**
- 3. whether the Bluetooth connection is normal.**

Q4: How to perform a factory reset?

A:

Access: **H02 System Settings > System > Reset Options > Factory Reset**

NOTE

Performing a factory reset will delete all data stored on the tablet. Please back up important files in advance.

13 Appendix

13.1 Company Profile

About Jiangxi Hanzhi Technology Co., LTD.

Jiangxi Hanzhi Technology Co., Ltd. specializes in automotive intelligent diagnostic equipment and related technologies, with a focus on new energy vehicle diagnostics, automotive maintenance data services, and the development and application of intelligent testing equipment.

The company integrates product R&D, manufacturing, sales, and technical services into one entity. Through continuous technological innovation, it provides professional, reliable, and efficient intelligent diagnostic solutions for the automotive maintenance industry.

The SYNTREK series products are developed and manufactured by Jiangxi Hanzhi Technology Co., Ltd. They are primarily designed for new energy vehicle maintenance, testing, and after-sales service, providing technicians with convenient and efficient vehicle diagnostic tools.

Company Name: Jiangxi Hanzhi Technology Co., Ltd.

Product Brand: SYNTREK

Product Name: SYNTREK H02 Smart Diagnostic Terminal

Company Address: Room 301, 3rd Floor, Building 43, No. 28 Dayi Road, High-speed Railway New Area, Xinyu City, Jiangxi Province, China.

13.1 Company Profile

If you encounter any of the following issues while using the SYNTREK H02 Smart Diagnostic Terminal:

- **Software operation anomalies;**
- **VCI connection failures;**
- **Vehicle data download issues;**
- **Diagnostic function abnormalities;**

please contact the SYNTREK Technical Support Team.

When submitting feedback, it is recommended to provide the following information:

- **Product serial number (S/N);**
- **Software version;**
- **VCI firmware version;**
- **Description of the fault symptom;**
- **Relevant screenshots or log files.**

This will help our technical support staff quickly identify and resolve the issue.