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1. Introduction

About Auto Link

Hyundai Auto Link analyzes your driving behaviour and monitors your vehicle for any fault codes. If any problems are detected with the vehicle, it automatically sends diagnostic data to the Hyundai Auto Link application. It also provides a convenient way to book your vehicle in for a service with your Hyundai dealer.

Compatibility

Only available on iOS and Android smartphones which support Bluetooth®4.0. The DIAGNOSIS MODULE is designed to communicate with the user's smartphone through BLE (Bluetooth Low Energy).

Downloading The Application

Connect to the App Store or Google Play Store to download the Hyundai Auto Link application.

Component (already installed in your vehicle)



DIAGNOSIS MODULE

DIAGNOSIS MODULE

The DIAGNOSIS MODULE is inserted into the vehicle OBD port with the OBD ADAPTER, and stores the driving history of the vehicle and transfers recorded data to your smartphone such as mileage, vehicle status and fault codes.

1. Introduction

Gathering User Information

The Auto Link may collect information regarding the services used and methods to use such services. The following information is included.

- Vehicle information: Vehicle Identification Number(VIN), License Plate Number, Odometer(ODO), Date of Purchase.
- smartphone information: Number, Wi-Fi Mac, Model, OS version, UUID, GPS (Personal Location Data)
- DIAGNOSIS MODULE information: Bluetooth Mac, Serial number
- · Favorite dealer (Service centre) information
- Driving information: Distance, Travel time, Average fuel efficiency, Fuel consumption.
- Driving history: Distance, Travel time, Average fuel efficiency, Fuel consumption
- Statistics (ECO driving): Fuel efficiency, Fuel Consumption, Hard Braking, Rapid Acceleration.
- Statistics (Speed): Less than 40 km/h, ~80 km/h, ~120 km/h, ~160 km/h, over 160 km/h, Maximum RPM, Average RPM.

Minimum Requirement

Below is the minimum requirement to run the Auto Link application,

- iPhone iOS 8.1

Application Setup

Search for "Hyundai Auto Link" in the App Store or Google Play Store and download the application for free.





[Note]

- · Airplane mode must be turned off.
- · Bluetooth and Location services must be turned on.



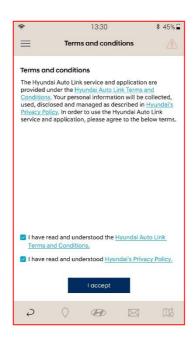


[iOS Settings]

[Android Settings]

Terms and conditions

To use Hyundai Auto Link you must accept the terms and conditions and confirm Hyundai's Privacy Policy by pressing pt" button.



DIAGNOSIS MODULE - Connect (Step 1)

Press the Start button on the application to search for the DIAGNOSIS MODULE in your vehicle.



Initiating device setup

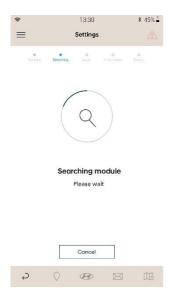
- 1. Set the vehicle condition to engine running.
- 2. Press the [Start] button when you are ready.

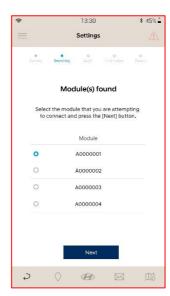


DIAGNOSIS MODULE – Searching (Step 2)

Once the DIAGNOSIS MODULE is detected and displayed, select it and | the 'Next' button.

The Vehicle Identification Number (VIN) is automatically detected by the DIAGNOSIS MODULE. If the DIAGNOSIS MODULE is not able to obtain the VIN from the vehicle, retry the setup process or the user may insert the VIN manually.



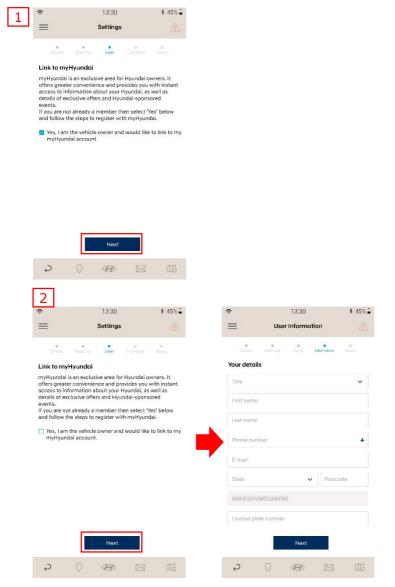




DIAGNOSIS MODULE Settings – Login (Step 3)

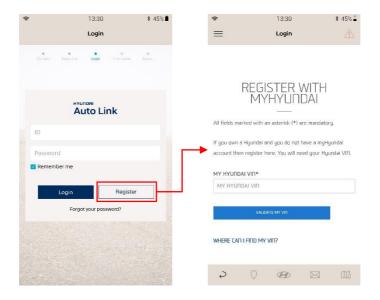
Link Hyundai Auto Link to the myHyundai account.

- ⊖ To link to your myHyundai account, check the box and pr Next" button. Press the "Register" button and follow the instructions to become a myHyundai member.
- ⊜ Leave the box unchecked and press the "Next" button to skip logging in with myHyundai account.

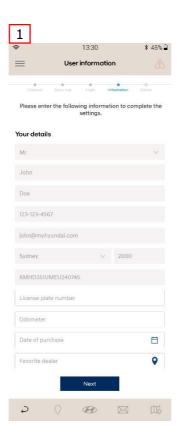


To become a myHyundai member, pres egister button and follow the instructions. It is important you are the vehicle owner. After registration, login to myHyundai to complete the setup process as per step ⊝ shown above. Login using myHyundai account details to use the Hyundai Auto Link application.

- Insert ID /Username and Password to Login to myHyundai.
- Press 'Forgotten your password?' to retrieve myHyundai password
- Press "Register" button to become a member of myHyundai.

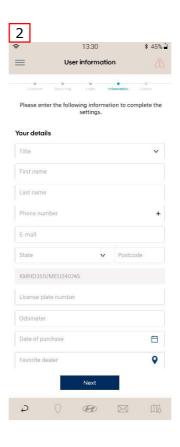


- DIAGNOSIS MODULE Settings Information (Step 4)



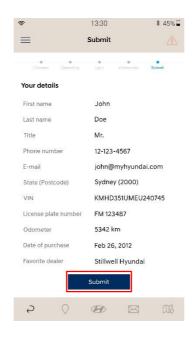
⊜ Enter your information and pre without linking to myHyundai.

to use the Hyundai Auto Link



DIAGNOSIS MODULE Settings – Submit (Step 5)

To complete the setup process, review the details ar submit he "Submit" button.



This describes the basic functions available on the Hyundai Auto Link application.

* The default screen is the driving information screen.

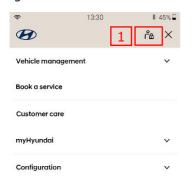


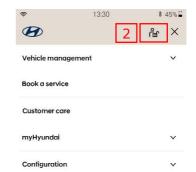
- ⊜ Roadside assistance (RSA): Allows the user to call the RSA centre.
- - · Back return to previous screen
 - Dealer network
 - myHyundai Home
 - Message box
 - Map
- Main functions: Displays each function of the Hyundai Auto Link application.
 - Vehicle management
 - Book a service
 - Customer care
 - myHyundai
 - Configuration

Menu

Allows the user to check the login status on the Menu.

- ⊖ Login screen
- ⊜ Logout screen





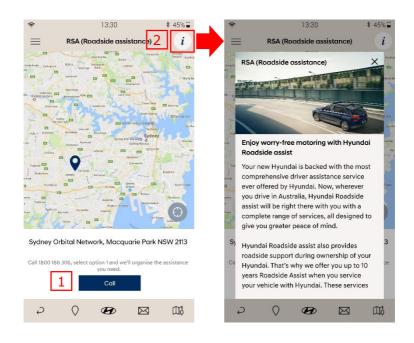




RSA (Roadside assistance)

Calls the RSA centre directly if a problem occurs with the vehicle.

- Call to RSA centre



Hot Key (Bottom)

Allows easy navigation – Back button, Dealer network, myHyundai home, Message box and Map.

1. Back button

Allows the user to navigate back to the previous screen.



2. Hyundai Dealer network

Shows Hyundai dealer information on the map.



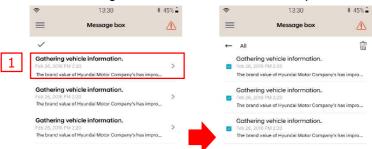
3. myHyundai

Opens myHyundai (Note: user must be logged onto myHyundai)



4. Message box

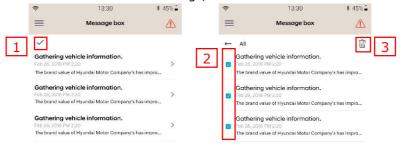
Shows messages and notification sent from Hyundai.





Messages can be deleted as follows:

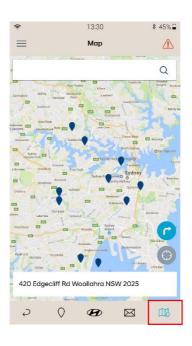
- ① Press the \checkmark button on the upper left corner to activate the Message check boxes
- ⊜ Check the box next to the message you want to delete.
- Press the button on the upper right corner to delete selected message/s.





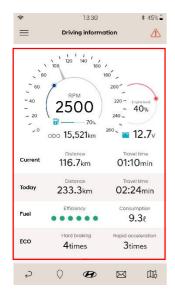
5. Map

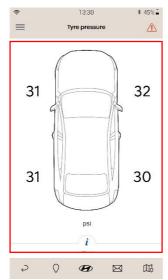
Shows the current location on the map (where the user has activated location services on the smartphone).



Main page

*Consists of three screens containing information about the vehicle. Swipe left or right to switch screens.



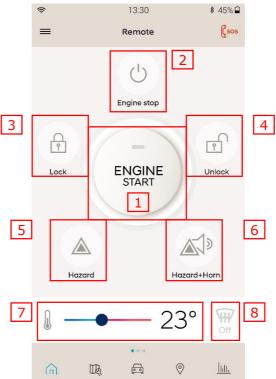




4. Remote Control

Remote

This page explains regarding remote control. You can remote your vehicle by Hyundai Auto Link. All remote functions have to enter the password for the security.



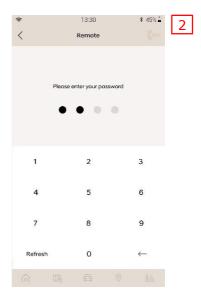
⊖ Engine start

- · Remote start condition
 - ✓ Shift lever P-stage
 - ✓ Doors locked by smart key/ smart phone app
 - ✓ Doors, trunk and hood are closed
 - ✓ Not in start-up status
- ⊜ Engine stop
- ⊕ Door lock
- 4 Door unlock
- (5) Hazard
- 6 Hazard & Horn
- 7 Temperature Temperature will be set when the engine starts.
- 8 On/Off Defroster Defroster status will be set when the engine starts.

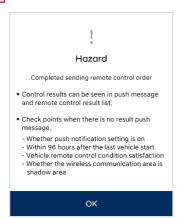
4. Remote Control

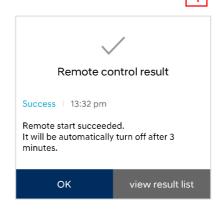
Remote control will work as the steps below.





3





- Perform remote control.

- (4) Remote control result.
 - Success
 - Failure

Shows Driving information, Tyre pressure, Driving history, Vehicle health check and Parking management screens.

*Swipe the screen left or right to switch screens.

Driving Information (default screen)



- Distance: The distance travelled for the current driving trip.
- Travel time: The time elapsed for the current driving trip.

- Distance: The total distance travelled for the day's driving trips.
- Travel time: The total time elapsed for the day's driving trips.

- Efficiency: measured from engine start to engine off
- Consumption: measured from engine start to engine off

4 ECO

- Hard braking: The number of times hard braking occurred during current driving trip.
- Rapid acceleration: The number of times rapid acceleration occurred during current driving trip.

Driving information result will display when the engine is turned off after the drive. Driving result will appear when the driving is over 30 minutes (time) or 20Km (distance). The result is decided as the result condition table below.





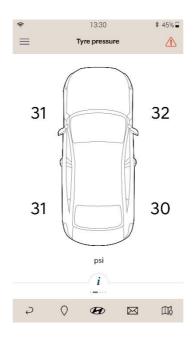


*Result condition table

Condition (Driving 20Km or 30min)	Good	Normal			Bad			
Maximum speed (Under 100Km)	0	X			X		X	X
Fuel efficiency (Over 6.5km/l)	0		Χ		Χ	Χ		Χ
Rapid acceleration/brea k (Under 3 times)	Ο			X		X	X	X

Tyre pressure

Shows the pressure for each of the vehicle tyres. The tyre pressure value will appear after a few minutes of driving.



Driving history

The driving history is sorted by date. Each item consists of

- Departure
- Arrive
- Maximum speed
- Average speed
- Average fuel efficiency
- Fuel consumption
- Rapid acceleration
- Hard braking
- Distance and travel time.

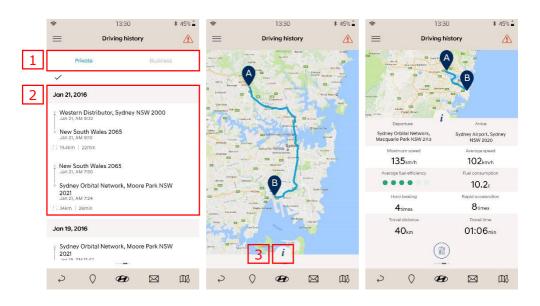


1. Check Driving history

Shows driving history in the latest order.

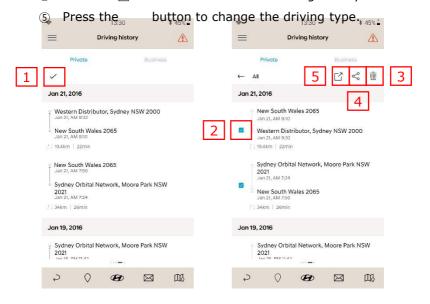
- Select the driving type.
- ⊜ Select the driving history for details.
- \odot For detailed information, press t $i \ni$

button at the bottom.



2. Delete, Share, Change Driving history

- \odot Press the \checkmark button on the upper left corner to activate the check box.
- Select th∰box next to the driving history.
- \circledast Press the \ll button to delete the driving history.
- ④ Press the ☐ button to share the driving history.

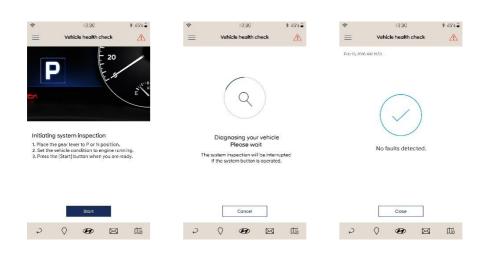


Vehicle health check

Diagnoses the vehicle health. If a fault code is detected, it is captured automatically for diagnosis by Hyundai.

- Initiating system inspection
- Place the gear lever to "P" position
- · Turn the ignition ON
- When ready, press the Start b

button.



Fault code detected

The alert notification will appear when a fault code is detected. Pre out II' button to call the favourite dealer and make a reservation for vehicle maintenance.

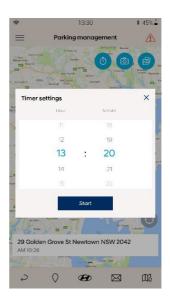
* When a fault code is detected, the diagnosis data will be sent to Hyundai for vehicle maintenance.

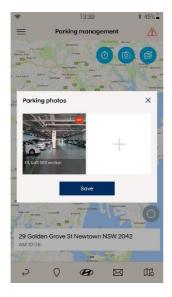


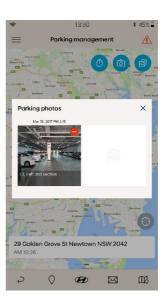
Parking management

Provides the parking management of the user's vehicle through parking location, time setting and uploading parking photos by using locations services on the user's smartphone.







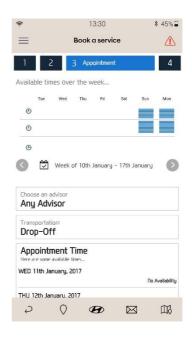


5. Main function > 2) Book a service

Book a service

A convenient way to book a service for the vehicle.

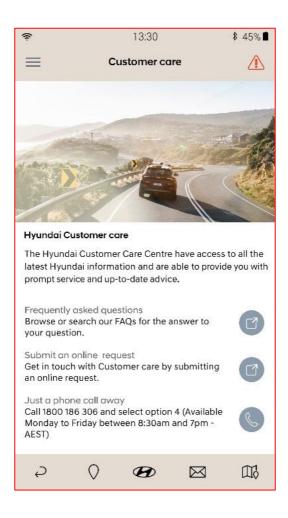




5. Main function > 3) Customer care

Customer care

Provides easy access to Customer care, browse FAQs, complete an online request or call customer care directly.



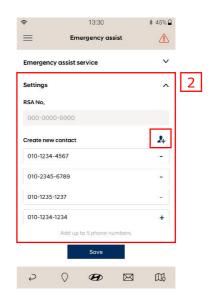
5. Main function > 3) Customer care

Emergency assist

Notifies pre-registered recipients of location and information when a 'Crash Signal' is detected on the vehicle's BCM.

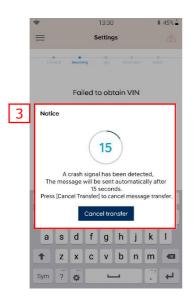
- Explanation on Emergency assist service.
- 2) Settings provide RSA No., contact, Rescue message.
 - RSA number is displayed as default.
 - User may add up to 5 phone numbers. Press 4 to load contacts from the phone.
 - Rescue message can be specified through edit. If not, the default phrase will be sent.

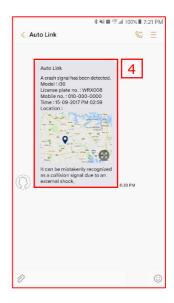




5. Main function > 3) Customer care

- 3 When a crash signal is detected, a notice pops up and counts 15 seconds before message transfer.
- 4 A message example.



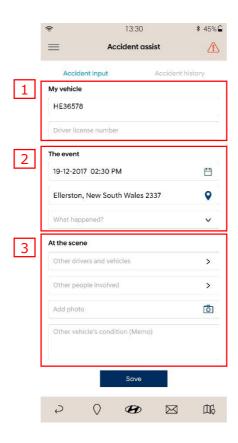


5. Main function > 3) Customer care

Accident assist

Records the event of an accident or breakdown to save on the smartphone.

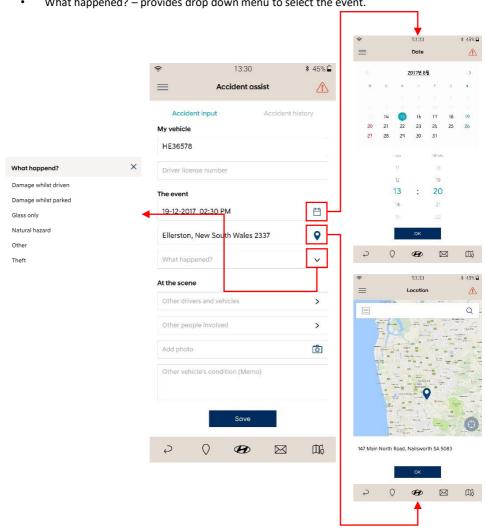
- ① My vehicle Vehicle plate number, Driver license number(registered at first time only)
- 2 The event Date, Location, What happened?
- 3 At the scene Other drivers and vehicles, Other people involved, Add photo, Other vehicle's condition (Memo)



5. Main function > 3) Customer care

The event

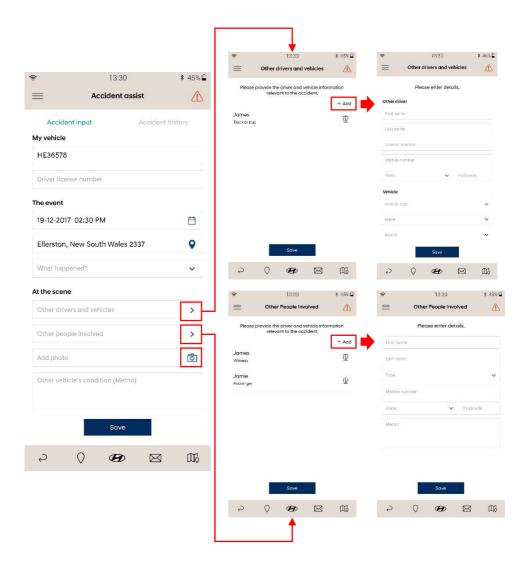
- Date Date and time can be set up by pressing the ⊟ icon
- Location Location can be set up by pressing the ♀ icon
- What happened? provides drop down menu to select the event.



5. Main function > 3) Customer care

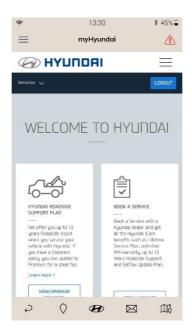
At the scene

- Other drivers and vehicles save other drivers and vehicle information.
- Other people involved save other people who are involved in the event.
- Add photo take a photo to save the scene by pressing the button.
- Other vehicles condition (Memo)



• myHyundai

Opens the myHyundai portal.



Vehicle health report

Provides report on the vehicle health.

- Select the report item for details.
- Press the button to check the full detail of the diagnosed items.

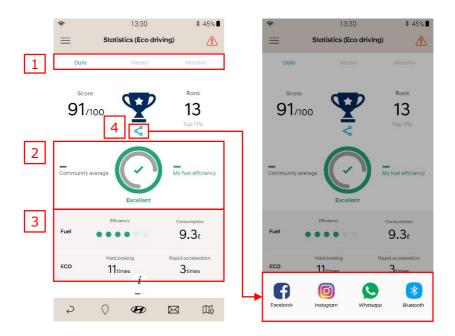




Provides statistics of the user's driving pattern that can be viewed in daily, weekly or monthly. Swipe the screen left or right to show Statistics (ECO Driving) or Statistics (Speed).

Statistics (ECO Driving)

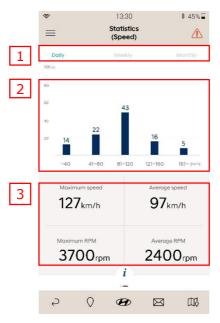
Provides statistics of the user's driving pattern, results can be viewed in daily, weekly or monthly.



- Statistics grouped: Daily, Weekly or Monthly.
- - · Community average
 - My fuel efficiency
- Driving Pattern Analysis: Provides statistics for
 - Efficiency
 - · fuel consumption
 - hard braking
 - rapid acceleration
- 4 Share provides sharing function on the shareable applications created at the bottom of the page.

Statistics (Speed)

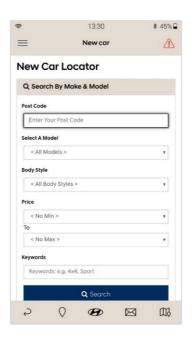
Provides statistics of the user's driving pattern, results are grouped in daily, weekly or monthly.



- Statistics Period Types: Daily, Weekly and Monthly.
- Driving Pattern Analysis
 - : Less than 40 km/h, \sim 80 km/h, \sim 120 km/h, \sim 160 km/h, over 160 km/h
- ⊕ Driving Pattern Analysis
 - : Maximum Speed, Average Speed, Maximum RPM and Average RPM.

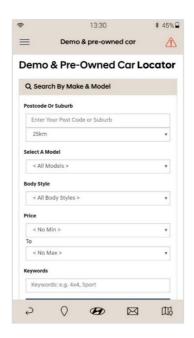
New car

Provides new car search and quotation comparison on myHyundai website .

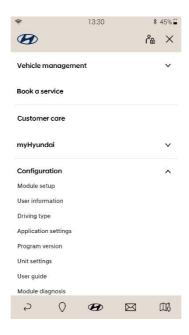


Demo / Pre-owned cars

Provides used car search and quotation comparison on myHyundai website .

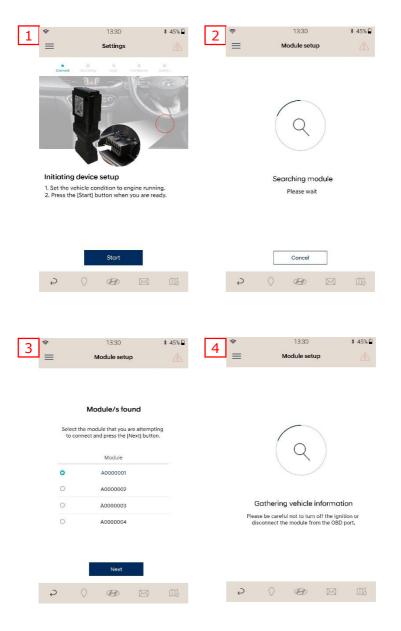


The user can check the Auto Link information such as Module setup, User Information, Driving type, Application settings, Program version, Unit Settings, User guide, and Module diagnosis.



Module setup

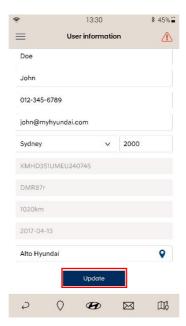
Turn the engine on and press the 'Start' button to begin the module search. Select the detected DIAGNOSIS MODULE and press 'Next' to start the vehicle information retrieval step.



User information

Shows the user's information.

- $\, \ominus \,$ Only partial user information can be modified when linked to myHyundai.

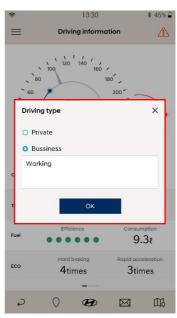


Driving type

Function to enable and select driving type.

- Enable/disable driving type display. Driving type will be displayed on driving information when enabled.
- ⊜ Select the driving type as Private or Business.

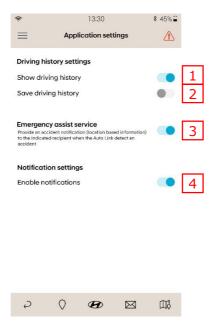




Application settings

Provides application settings for Driving history, Emergency assist service, and Notification settings.

- ⊖ Enable/disable displaying driving history.
- Enable/disable saving driving history.
- ⊕ Enable/disable displaying Emergency assist service notification.
- 4 Enable/disable receiving notifications.



Program version

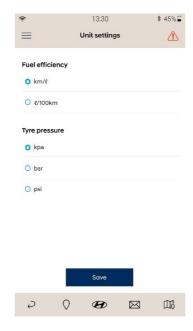
Provides program version information

- Resource version
- Module firmware version
- · Module database version
- · Last successful data connection.



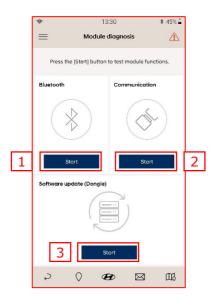
Unit settings

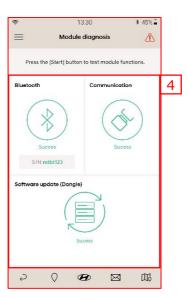
Set the units for Fuel efficiency and Tyre pressure in the application.



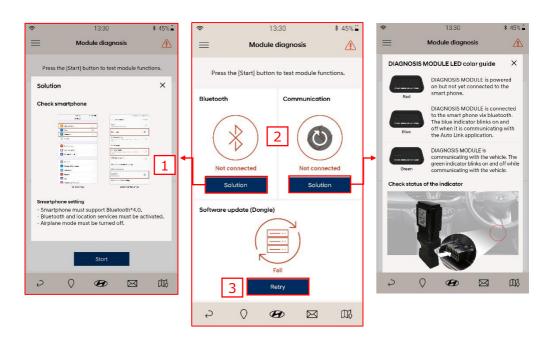
Module diagnosis

- 1. Provides a self-test function to check modules operation.
 - Press stort button in the Bluetooth section to check the Bluetooth function with the DIAGNOSIS MODULE.
 - Press stort button in the Communication section to check communication between vehicle and DIAGNOSIS MODULE
 - Press stort button in the Software update section if you want to perform software update on the DIAGNOSIS MODULE.
 - Module check result will be displayed in green if the module is operating properly





- 2. The result of module diagnosis will be displayed in red color if it fails
 - Press the solution button on the Bluetooth and Communication section. Solution will be displayed on the Auto Link application.
 - Follow the instruction and check the connection again by pressing the
 - Press the button on the Software update section if the problem still remains.



The Hyundai Auto Link Module is covered by your vehicle's 5 year limited warranty in accordance with the terms, and as published in, the owner's manual for the vehicle. Your vehicle's limited warranty does not cover the Hyundai Auto Link application which is provided to you on an "as-is" and "where-is" basis. In addition, Hyundai cannot promise uninterrupted or problem-free service, and cannot promise that the data or information provided to you will be complete, current or error-free. All data and information is provided to you through the Hyundai Auto Link application on an "as-is" basis. To the maximum extent permitted by law, Hyundai expressly disclaims any and all warranties of any kind, express or implied, about the Hyundai Auto Link application and any data and information and services provided through it, including, without limitation, any warranties as to content, quality, accuracy, timeliness, completeness, correctness, reliability, non-infringement, merchantability, or fitness for a particular purpose, and all such warranties are expressly excluded. Where a warranty cannot be excluded by law, if Hyundai breaches such a warranty in connection with the Hyundai Auto Link application, Hyundai reserves the right (to the extent permitted by law) to remedy the breach by providing the Hyundai Auto Link application again or paying for it to be provided again.

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DIAGNOSIS MODULE specifications

Item	Specifications
Product	Scan Tool
Model	DPD-101
CPU	ARM 32-bit Cortex-M4 @ 168MHz
CPU Memory	2MB
Flash memory	8MB
Bluetooth protocol	Bluetooth 4.2 BR/EDR/BLE
Frequency range	2402 MHz ~ 2480 MHz
Output power	GFSK(6 dBm \pm 1dB), π /4-DQPSK, 8DPSK(5 dBm \pm 1dB), Bluetooth LE(6 dBm \pm 1dB)
Operating voltage	DC 9~30V
Sensor	6-Axis Gyro, Accelerometer Sensor
Operating temperature	-20°C ~ 80°C
Storage temperature	-40°C ~ 85°C
Current consumption	12V / 150mA
CAN Interface	HIGH-SPEED CAN1, CAN2, CAN3 LOW-SPEED CAN
Dimension	50 x 25.5 x 83 mm
CASE	PC + ABS
Manufacturer	G.I.T CO.,LTD / Korea
Company	G.I.T CO.,LTD
Adress	05655, GIT Bldg., 87, Macheon-ro, Songpa-gu, Seoul, Korea
KC Certification Mark	
CE / WEEE Certification Mark	C E 🕅
FC Certification Mark	F©

Compliance Statement

The Device complies with part 15 of the FCC Rules, US. Operation is subject to the following two conditions: (1) The Device may not cause harmful interference, and (2) the Device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Any Changes or modifications not expressly approved by the manufacturer 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.

A minimum separation distance of $20\ m$ must be maintained between the antenna and the person for this appliance to satisfy the RF exposure requirements.

FCC Caution

Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.

Industry Canada Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

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

This product is CE marked according to the provision of the RE Directive (2014/53/EU). G.I.T., Co., Ltd., (as manufacturer of the Module) declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU

8. FAQs

The DIAGNOSIS MODULE can not be detected

The main cause of this problem is that either the DIAGNOSIS MODULE is not connected to the OBD port or Bluetooth is turned OFF.

Please check your module in accordance to the following instructions.

- 1. Check smartphone settings.
 - ✓ Make sure Airplane Mode is turned OFF.
 - ✓ Make sure Bluetooth is turned ON.
- 2. Check connection between the DIAGNOSIS MODULE and the OBD port. Also, check if the ignition is on or the engine is running.
 - ✓ Open the fuse box and check the LED status of the DIAGNOSIS MODULE.
 - ✓ Try reconnecting the DIAGNOSIS MODULE to the OBD port.
- 3. If the problem cannot be resolved by the above methods, please contact your dealer or the call center for more information.

Auto Link application is not running

The problem may occur due to application crash or malfunction of the smartphone's operating system. Please check your application in accordance to the following instructions.

- 1. Restart your smartphone and try again.
- 2. Remove the Auto Link application from your smartphone and reinstall it through the App Store or Google Play.
- 3. If the problem cannot be resolved by the above methods, please contact your dealer or the call center for more information.

Driving Information is not updated

The problem may be caused by the Bluetooth connection and/or program version. Please check your application in accordance to the following instructions.

- 1. Check the Bluetooth connection between the DIAGNOSIS MODULE and the Auto Link application.
- 2. Make sure your Auto Link application is the latest update. You can check the current version on program version of configuration.

[NOTICE]

 For more information, please refer to the user's guide on the Auto Link application on your smartphone.