



USER MANUAL

Ver 2.00



Thank you for your interest in our product. We promise to dedicate our best efforts to provide you with quality products and services. If you have any inquiries or need technical support, please ask for help via e-mail at **sales@skyautonet.com** and we will assist you as soon as we can. The **Ultrascan-B** User Manual will provide an overview of the main features, diagnostic menus and how to operate our device. Please make sure you read this manual before proceeding.

Cautions for Use

1. **Connect the OBD-II diagnostic module with a diagnostic cable**



Connect the module/cable unit to the vehicle diagnostic socket



Set the ignition to 'ON'



The red indicator lamp on the OBD-II diagnostic module should be 'ON'

If the red indicator lamp does NOT come on

1. Check if you are using the correct diagnostic cable. Certain brands (i.e. Yamaha, Harley Davidson) have more than one cable.
2. Make sure the ignition is 'ON'.
3. Disconnect the diagnostic module, reconnect and try again.
4. If the red indicator lamp does NOT come on after following the 3 steps above, please contact your dealer or SkyAutoNet's Tech. Support for assistance.

2. **Check if the tablet is connected via Bluetooth to the Ultrascan-B OBD-II diagnostic module.**

- Make sure the green indicator lamp on the OBD-II diagnostic module is 'ON'.
- The Bluetooth icon on the top-right corner of the Ultrascan-B app. should appear 'ON'.

If Bluetooth does NOT connect

1. Check if the Bluetooth function is set to 'ON' on your tablet.
2. Go to Configuration > Bluetooth, and select the OBD-II diagnostic module with the correct serial number.

3. **We recommend you use Wi-Fi (Wireless Internet) at all times.**

- If the tablet is connected to Wi-Fi and there is a SW update, you will be notified automatically.
- Please make sure you are using the latest version at all times for optimal performance.
- The 'Feedback' function can be used only when Wi-Fi is connected. (p. 22)

How to connect to Wi-Fi

1. Make sure that the Wi-Fi function is set to 'ON' on your tablet and check for any available Wi-Fi network(s).
2. If there is no available Wi-Fi, please move to a location where Wi-Fi is available.

Ultrascan-B Product Components (1/4)



1. Tablet (Android)
2. Ultrascan-B OBD-II diagnostic module
3. Product Case
4. Tablet Case
5. Warranty Certificate
6. Touch Pen
7. User Manual
(Please refer to the 'User Manual' feature in 'Configuration').
8. Diagnostic Cables for each Brand

▶ Ultrascan-B OBD-II diagnostic module

Ultrascan-B Product Components (2/4)



BMW 10-pin
Honda 4-pin
Kawasaki 4-pin / 6-pin
KYMCO 3-pin
Suzuki 6-pin
Yamaha 1-pin (OBD-I protocol)
Yamaha 4-pin (ABS)
Yamaha 3-pin (Engine)
Piaggio 3-pin
KTM 6-pin

Ducati 4-pin
Vespa 3-pin
AEON 6-pin
TGB 6-pin (Four wheeler only)
PGO 6-pin
SYM 3-pin
Aprilia 3-pin (A Type - Rectangular)
Aprilia 3-pin (B Type - Semicircular)
Dalim 4-pin
Harley-Davidson 4-pin / 6-pin

[Caution!]

Please note that the diagnostic cables included in your product may vary from those indicated in the 'User Manual.'

Ultrascan-B Product Components (3/4)

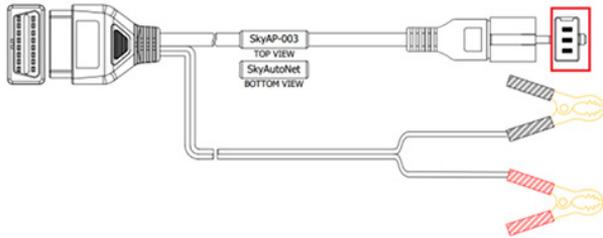
[Diagnostic Cable images and specifications]

<p>1</p> <p>BMW 10-pin SKYUB17C-002</p> 	<p>6</p> <p>Suzuki 6-pin SKYUB17C-005</p> 	<p>11</p> <p>Ducati 4-pin SKYUB17C-007</p> 	<p>16</p> <p>PGO 6-pin SKYUB17C-010</p> 
<p>2</p> <p>Honda 4-pin SKYUB17C-003</p> 	<p>7</p> <p>Yamaha 1-pin SKYUB17C-015</p> 	<p>12</p> <p>Vespa 3-pin SKYUB17C-012</p> 	<p>17</p> <p>SYM 3-pin SKYUB17C-006</p> 
<p>3</p> <p>Kawasaki 4-pin SKYUB17C-004</p> 	<p>8</p> <p>Yamaha 3-pin SKYUB17C-008</p> 	<p>13</p> <p>AEON 6-pin SKYUB17C-009</p> 	<p>18</p> <p>(Rectangular) Aprilia 3-pin SKYUB17C-001R</p> 
<p>4</p> <p>Kawasaki 6-pin SKYUB17C-017</p> 	<p>9</p> <p>Yamaha 4-pin SKYUB17C-014</p> 	<p>14</p> <p>TGB 6-pin SKYUB17C-011</p> 	<p>19</p> <p>(Semicircular) Aprilia 3-pin SKYUB17C-001S</p> 
<p>5</p> <p>KYMCO 3-pin SKYUB17C-013</p> 	<p>10</p> <p>KTM 6-pin SKYUB17C-016</p> 	<p>15</p> <p>Daelim 4-pin SKYUB17C-018</p> 	

Ultrascan-B Product Components (4/4)

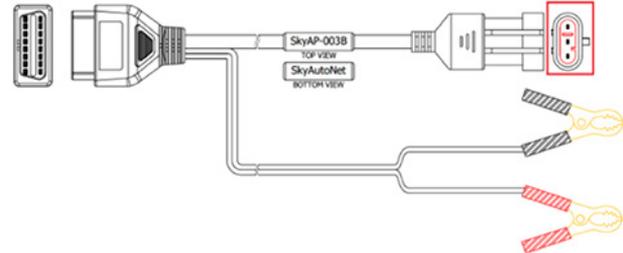
[Diagnostic Cable classification example: Aprilia 3-pin]

Classification information is marked on the sleeve of each diagnostic cable. For example, 'SKYAP-003' is printed on the 'Aprilia 3-pin' cable, which is also the unique ID.



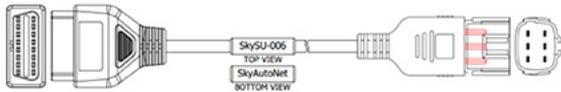
Aprilia 3-pin 'Rectangular' cable

Instrument Panel Diagnosis for partial models

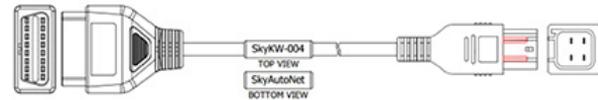


Aprilia 3-pin 'Semicircular' cable

Used for Engine, ABS, Suspension, Ignition, Gearbox, CLF etc.



Suzuki 6-pin cable



Kawasaki 4-pin cable

Getting Started



[Image 1]

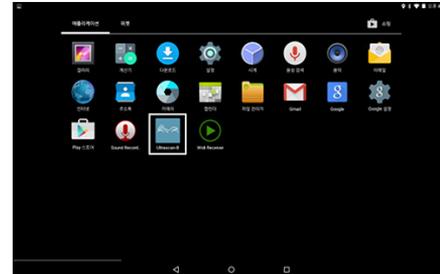
1. Press the power button [Image 1] and the company logo [Image 2] will appear. The main screen will appear shortly after.
2. Locate the Ultrascan-B application icon [Image 3] as shown in [Image 4].

[Reinstalling the Ultrascan-B Application]

If the application is accidentally deleted or the tablet needs to be initialized, please contact your dealer or SkyAutoNet's Tech. Support for assistance.



[Image 2]



[Image 3]



Ultrascan-B

[Image 4]

Verify Serial Number

After unboxing the product, check the 14-digit Ultrascan-B Serial Number on the back of the OBD-II diagnostic module. You will need this number to register the device.



[Warning!]

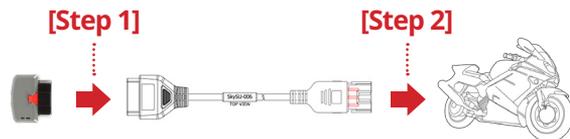
This port is used for debugging use ONLY.
Please do not connect USB cables or phone chargers at any time.

Device Registration (1/2)

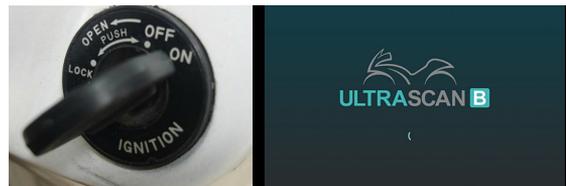
[Check before Registration]

1. Connect the Ultrascan-B diagnostic module with a diagnostic cable **[Image 1 - Step 1]** and connect the unit to the motorcycle diagnostic socket. **[Image 1 - Step 2]** Once connected, turn the ignition 'ON'. **[Image 2]**
2. The Ultrascan-B main screen **[Image 3]** will appear after you launch the Ultrascan-B app.
3. Please make sure the Bluetooth connection is established between the OBD-II diagnostic module and the tablet when registering the device. Once the Bluetooth connection is established, the two devices will automatically connect when you launch the Ultrascan-B app.

[Tip] If the green indicator lamp is blinking, the OBD-II diagnostic module is connected to the tablet.



[Image 1 - Connection between motorcycle diagnostic socket and OBD-II diagnostic module]



[Image 2 - Ignition 'ON']

[Image 3]

Device Registration (2/2)

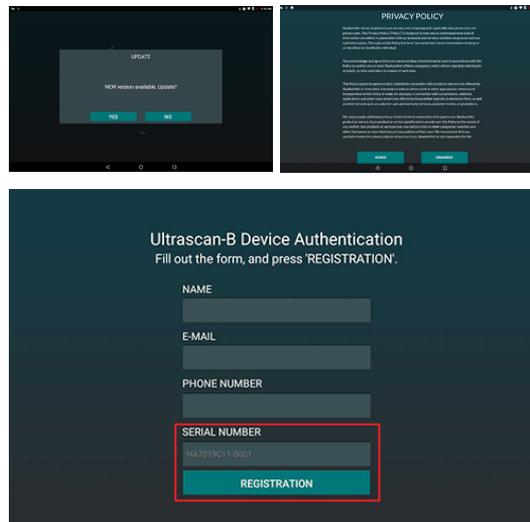
[Check before Registration]

4. Registering the device:

- A. Connect with 'Ultrascan-B-V1-1234' (example). The last four digits are identical to the last four digits of the serial number.
- B. 'Bluetooth connection successful!' message will appear after Bluetooth is connected.
- C. Device Registration is required **ONCE** unless the OBD-II diagnostic module needs to be replaced or the Ultrascan-B app is reinstalled.
- D. Review and select 'Agree' to the 'Privacy Policy'.
If you select 'Disagree', the app will terminate automatically.
- E. After checking the serial number, enter your Name, E-mail Address and Phone Number. Press the 'REGISTRATION' button to continue.

[Caution!]

Please make sure you are connected to the internet when registering the device. If the internet connection is unstable or not properly connected, the app will not be able to retrieve the serial number. If you have trouble registering the device, please contact your dealer or SkyAutoNet's Tech. Support for assistance.

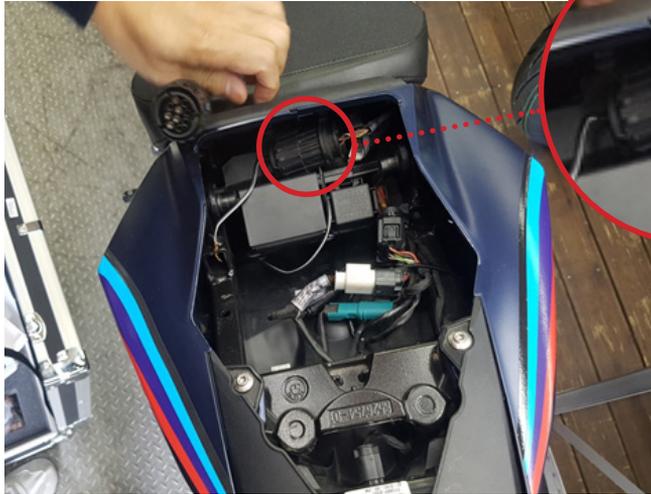


Diagnostics Operations (1/6)

[DTC(s) & Sensor Data]

After connecting the OBD-II diagnostic module to the diagnostic cable, connect the unit to the motorcycle diagnostic socket.

[e.g.] BMW S1000R 2015 MY

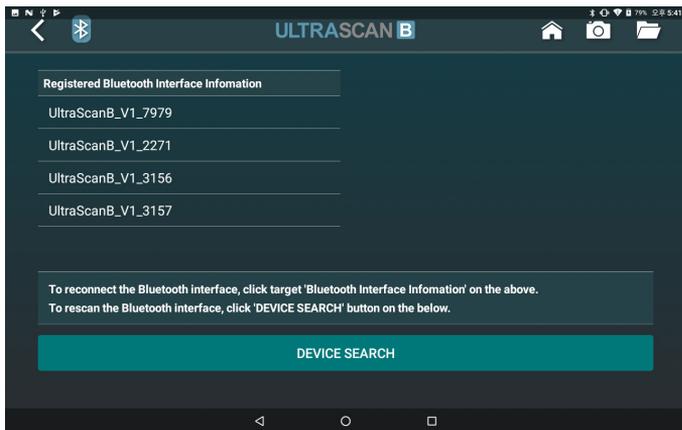


[BMW 10-pin]

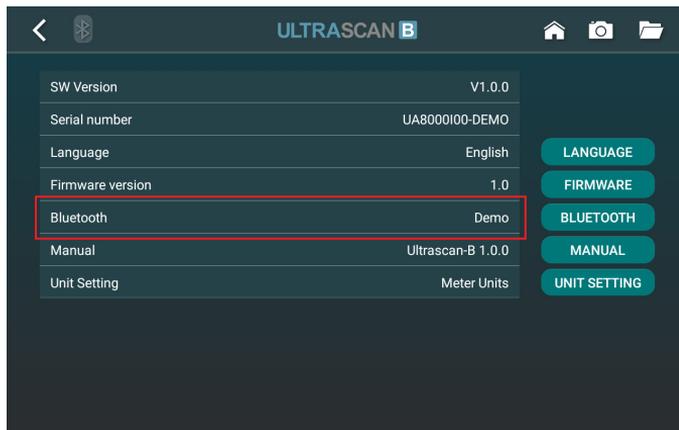
Diagnostics Operations (2/6)

[DTC(s) & Sensor Data]

Check the Bluetooth connection between the tablet and diagnostic module. The green indicator lamp should be 'ON' if properly connected.



Connect the OBD-II diagnostic module to the tablet (Bluetooth).



[Caution!]

After the Bluetooth connection is established, the 'Serial Number' will appear on the 'Configuration' menu. If the serial number is not displayed, this means the Bluetooth connection has not been established, so please contact your dealer or SkyAutoNet's Tech. Support for assistance.

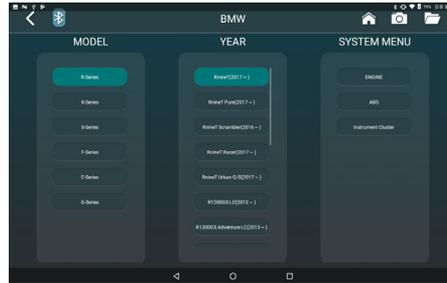
Diagnostics Operations (3/6)

[DTC(s) & Sensor Data]

After selecting Brand > Model > Year > System, tap the 'Diagnosis' button.



[Brand]



[Model, Year]

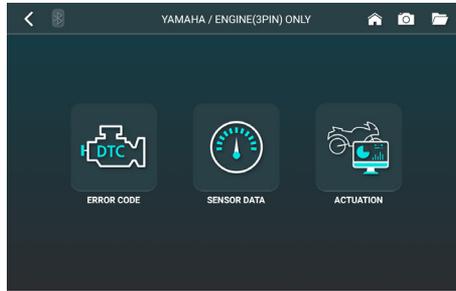


[Diagnosis]

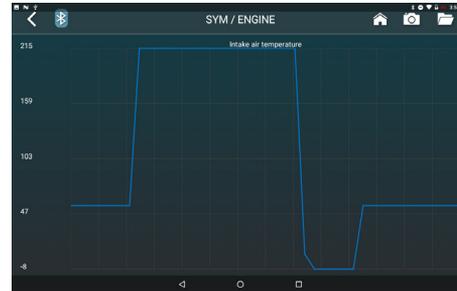
Diagnostics Operations (4/6)

[DTC(s) & Sensor Data]

Scan and erase DTC(s) and check live sensor data through 'Diagnosis' menu.



[Diagnosis Menu]



[Engine Speed Graph]

The screenshot shows a list of sensor data for 'SYM / ENGINE'. At the top, it says 'The Number of SensorData(s) : 27'. There are two buttons: 'GRAPH VIEW' and 'FIXED OUTPUT'. The list includes the following sensors and their values:

Sensor	Value
<input type="checkbox"/> DTC	1
<input type="checkbox"/> Intake air temperature	23.7°C
<input type="checkbox"/> Cylinder Head Temperature	58.7°C
<input type="checkbox"/> Atmospheric Pressure	101.20 kpa
<input type="checkbox"/> Engine Condition	STOP
<input type="checkbox"/> Battery Voltage	11.56 V
<input type="checkbox"/> Engine Speed	0 rpm
<input type="checkbox"/> Throttle Position	0.00 %
<input type="checkbox"/> Throttle Idling Learning Value	0.22 V

[Live Sensor Data]

The screenshot shows a list of Diagnostic Trouble Codes (DTCs) for 'YAMAHA / ENGINE(3PIN) ONLY'. At the top, it says 'Number of DTC(s) : 5'. There are two buttons: 'DTC SCAN' and 'ERASE DTC'. The list includes the following DTCs:

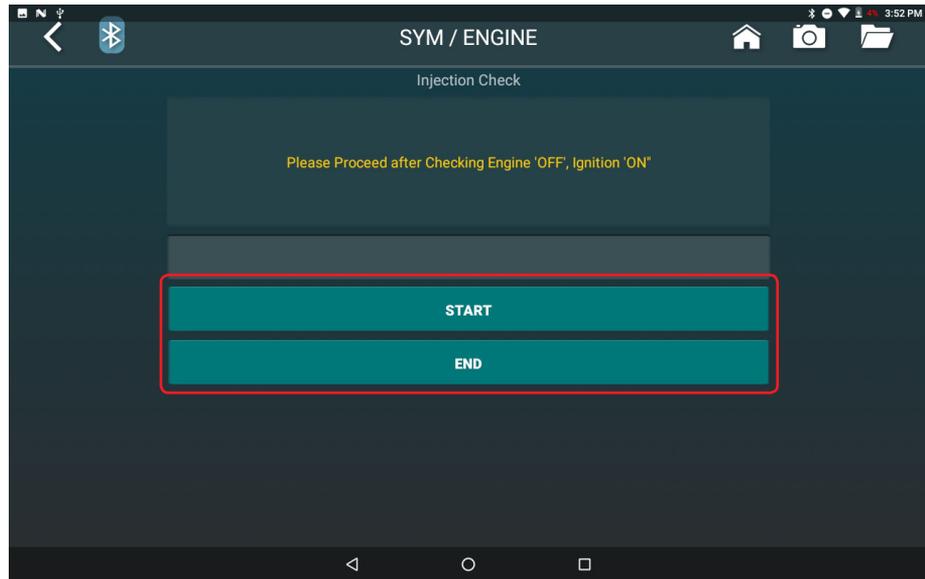
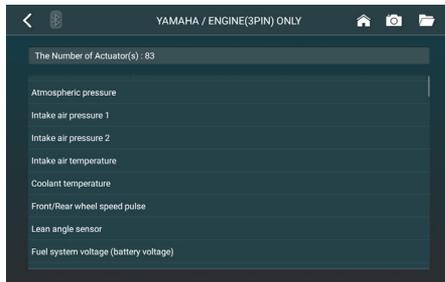
DTC	Description
P0030	O2 sensor heater
P0050	O2 sensor 2 heater
P0069	Intake air pressure sensor or atmospheric pressure sensor
P0106	Intake air pressure sensor 1
P0107	Intake air pressure sensor 1 (ground short circuit)

[DTC(s) Information]

Diagnostics Operations (5/6)

[Actuation]

'Actuation' is a function test for various vehicle systems controlled by the ECUs. Tap 'Start' to begin and 'Stop' to terminate the 'Actuation' function.



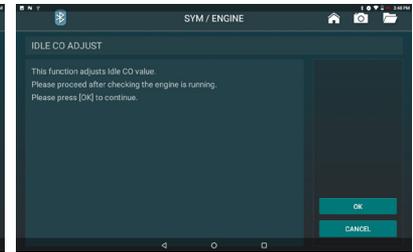
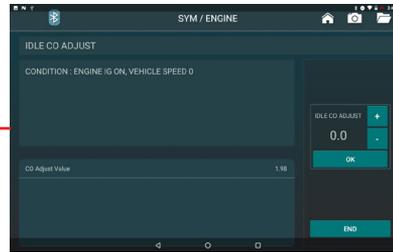
Diagnostics Operations (6/6)

[Special Functions]

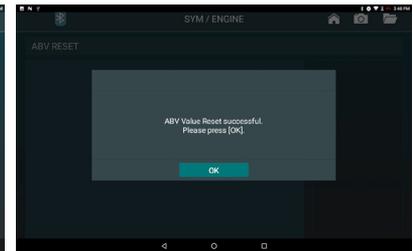
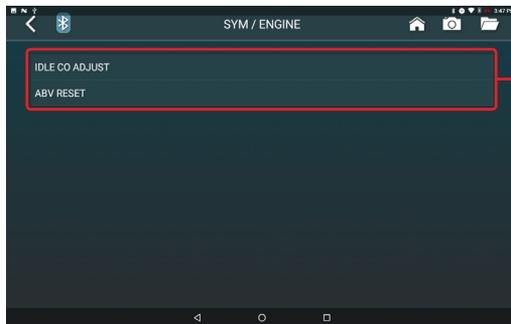
'Special Functions' are used to 'Reset' vehicle data or 'Code' certain vehicles.



[Idle CO Adjust]



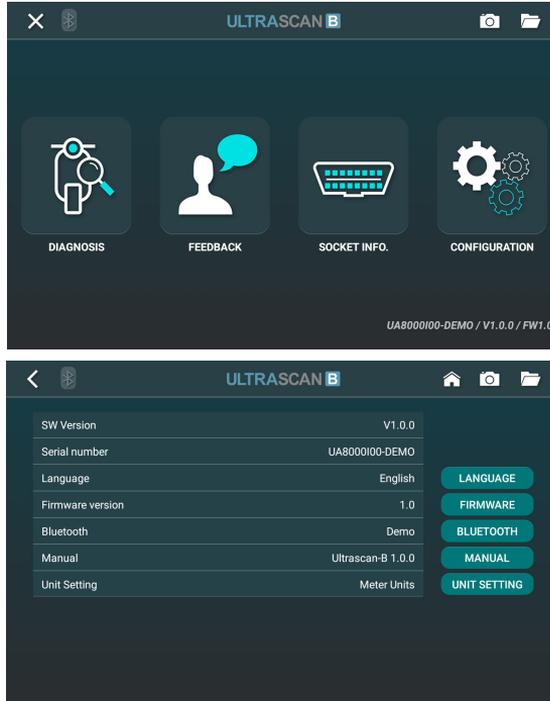
[ABV Reset]



Additional Functions (1/9)

[Configuration Menu]

You may change language settings, refer to the user manual, and check program versions.



Language Selection

Select desired language.

Software Version

Verify the current Software version.

User Information

User information provided when registering the device.

User Manual

Provide an overview of the main features, diagnostic menus and how to operate the device and app.

OS Version

Verify the current OS version.

Serial Number

OBD-II diagnostic module Serial Number.

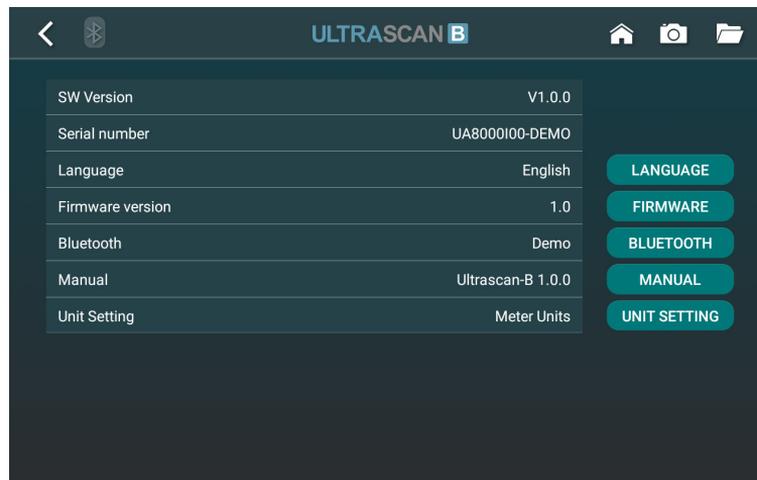
Bluetooth

Display the connection status between the OBD-II diagnostic module and tablet.

Additional Functions (2/9)

[Screen Capture (Camera Icon)]

You may capture images for reference or screens that display sensor data errors, any unknown DTC(s) or any errors that occur while using the app.

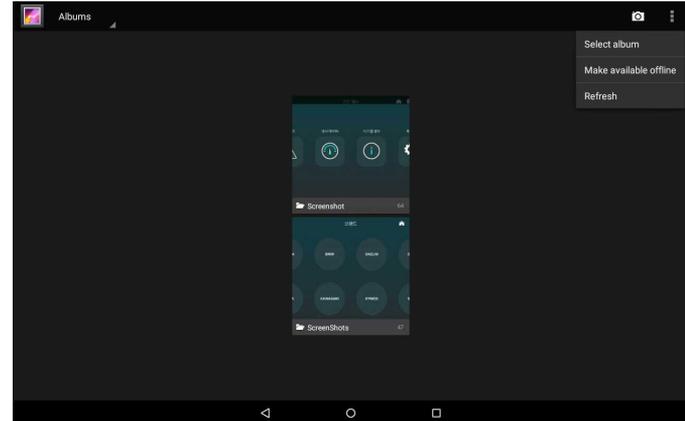


[Screen Capture]

Additional Functions (3/9)

[Saved Images (Folder Icon)]

All captured images are saved in this folder automatically. You may browse all the captured images by clicking the 'Folder' icon and send the images through the 'Feedback' function if necessary.



[Saved Images Folder]

Additional Functions (4/9)

[Print Function]

You may print the images saved in the 'Gallery' folder.



Files saved using the 'Screen Capture' function can be found in the 'Gallery' folder.



Select an image and tap the 3 dots on the top-right corner of the screen.



Tap 'Print' to print the file.

[Caution!]

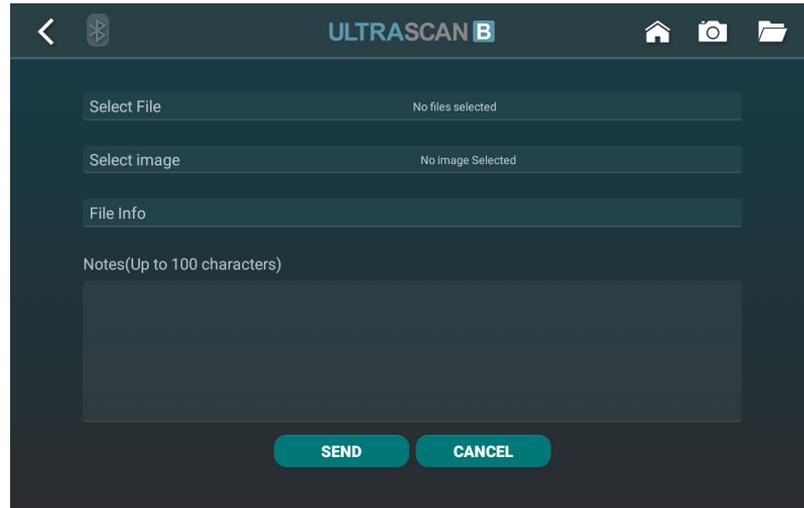
Please make sure there is a working printer nearby that is connected to your tablet to print files.

Additional Functions (5/9)

[Feedback Function]

If you experience any errors while diagnosing a vehicle (communication, system etc.), you can send the diagnostic log to SkyAutoNet's Tech. Support for review.

[Tip] You must attach a log file and type a message in the 'Notes' box to use the 'Feedback' function.



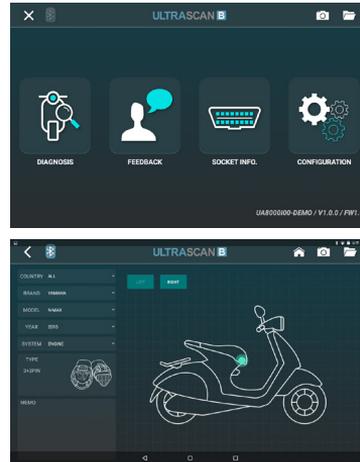
The screenshot shows the 'ULTRASCAN B' app interface. At the top, there is a navigation bar with a back arrow, a Bluetooth icon, the app name 'ULTRASCAN B', and icons for home, camera, and folders. Below the navigation bar, there are three input fields: 'Select File' with the text 'No files selected', 'Select image' with the text 'No image Selected', and 'File Info'. Below these fields is a text area labeled 'Notes(Up to 100 characters)'. At the bottom of the screen, there are two buttons: 'SEND' and 'CANCEL'.

Additional Functions (6/9)

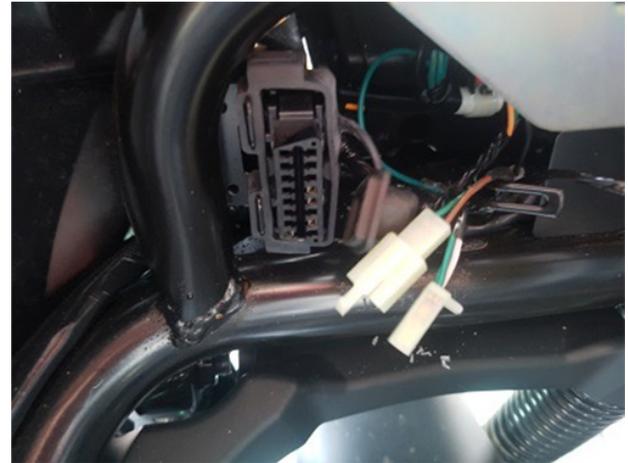
[Diagnostic Socket Location Information]

This function provides information regarding the diagnostic socket location for each brand/model. Due to stricter emission laws and regulations, many brands provide OBD-II 16-pin diagnostic sockets to meet EURO 4 standards. **[Image 1]**

[Caution!] Diagnostic Socket Location Information may NOT be available for some brands/models.



[YAMAHA N-MAX Model Diagnostic Socket]

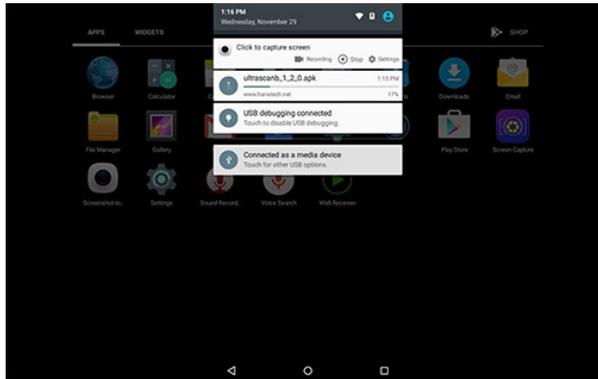


[Image 1 - SYM 'ZET14' Model EURO 4 Socket]

Additional Functions (7/9)

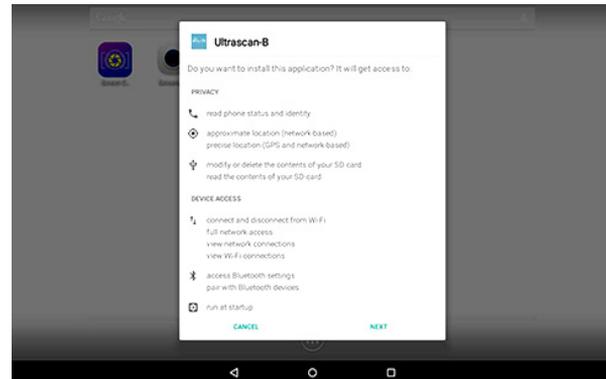
[SW Update & Application Installation]

A notification for the latest SW update will appear automatically when connected to Wi-Fi. Please refer to the images below and proceed with the SW update. If you experience problems while updating the SW, please contact your dealer or SkyAutoNet's Tech. Support for assistance.



[Ultrascan-B 1.1.0 Version]

Install the new software as shown above.



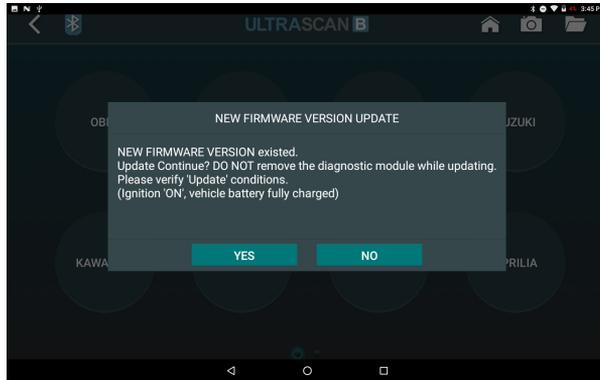
[Ultrascan-B Installation Guide]

After the installation is complete, please restart the app. The new software version can be verified in the 'Configuration' menu.

Additional Functions (8/9)

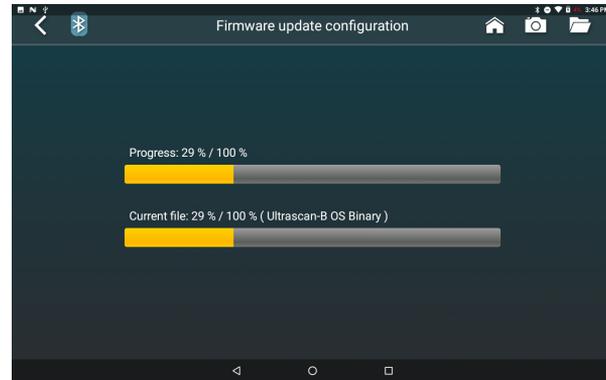
[FOTA (Firmware Over the Air) Automatic Update]

If a new version firmware program is available for upgrade, a window will automatically appear on the screen. You may proceed with the update referring to the images below. Please be aware that an error may occur in the module if you separate the module from the cable during the FOTA update. If you experience any problems during the update, please contact your dealer or SktAutoNet's Tech. Support for assistance.



[Ultrascan-B FOTA Automatic Update Notification]

When a new version firmware is available, you may confirm whether you will proceed with the update through the automatic notification shown above.



[When Proceeding with Ultrascan-B FOTA Automatic Update]

Do NOT separate the OBD module from the cable during the firmware update. In addition, you may NOT use other functions during the update.

Additional Functions (9/9)

[Warranty Certificate]

The 'Warranty Certificate' is needed for warranty claims and repair. Please make sure you keep this certificate. If you lose the certificate, please contact your dealer. The certificate can be replaced **ONCE** after a purchasing the device. Please take note that certain restrictions may apply if you make a warranty claim without providing the certificate.

Category	Damage Type	First Set Purchase	Separate Parts Purchase	Post-Repair Warranty
Main Body		1 Year	1 Year	6 Months
Accessories	Defects during normal use	1 Year	6 Months	Not Applicable
Maintenance			Not Applicable	

Warranty Certificate

SkyAutoNet offers a Warranty Program as shown below in accordance with the Consumer Dispute Resolution Standard by Product Item (Fair Trade Commission).

Product Name	Ultrascan II
Serial No.	
Date of Purchase	YYYY-MM-DD
Name of Purchaser	
Distributor	
Name	Warranty Period
Contact Info.	1 Year after date of purchase

Free Service

You may free warranty service provided that the breakdown occurs during normal use within the warranty period from the date of purchase. If the date of purchase is unable to be confirmed, we will calculate the shipping date + 2 months (product expiration date) as the warranty period.

Standard of Compensation

1. Standard of Compensation by Type

Type	In-warranty Period	Out of warranty Period
Requires major repairs within 7 days from the date of purchase	Product Replacement	Not Applicable
Requires major repairs within 15 days from the date of purchase	Free Repair	Not Applicable
Defect during normal use	Free Repair	Chargeable Repair
Repeatable (2 or more occurrences of an identical problem)	Product Replacement	Chargeable Repair
Damage/Breakdown due to consumer misuse or negligence	Chargeable Repair	Chargeable Repair
Not Repairable	Product Replacement	SkyAutoNet Terms
Damage/Breakdown due to consumer misuse or negligence	Product Replacement	SkyAutoNet Terms
Damage during shipping or installation of the product after purchase	Product Replacement	Not Applicable

* The holding period for A/S parts is 5 years from the discontinued date of products.

2. Warranty Period by Product Item

Category	Damage Type	First Set Purchase	Separate Parts Purchase	Post-Repair Warranty
Main Body		1 Year	1 Year	6 Months
Accessories	Defects during normal use	1 Year	6 Months	Not Applicable
Maintenance			Not Applicable	

3. Item Classification

Category	Item
Main Body	ORB-II Diagnostic Module, Tablet
Accessories	Diagnosis Cables, Power Adapters, Tablet Protective Case/Cover, Boxes and Packaging Material
Miscellaneous	Warranty Certificate, Quick Manual and other printed material

Chargeable Service

The service requests below are subject to charges, so please check the details in the warranty form.

No Malfunction/Breakdown
- Requesting service for your own operations
- Claims made without giving functional explanations or disassembling/modifying the product
Malfunction/Breakdown due to Consumer Misuse or Negligence
- Malfunction/Breakdown caused by negligent handling of consumer (fall, impact damage, abuse, etc)
- Failure to use specified power supply
- Malfunction/Breakdown caused by repair or modifications carried out by a third party other than those specified by SkyAutoNet
- Breakdown or damage caused by using parts other than those specified by SkyAutoNet
- Breakdown or damage caused by deliberate alteration/modification of diagnostic cables, adapters, etc.
Other
- Product damage or breakdown from natural disasters (fire, water, electrical surges, flood damage, etc)
- Consumables (reaching lifespan)

* This Warranty Certificate will not be reissued. Please keep it in a safe place.

* For other inquiries, please call +82-2-570-8923 for additional information.



[Warranty Certificate Sample]