

# BLOWSOME



## Product Installation & Use Manual

JSR Performance Product

Manual for the  
**BLOWSOME**

ENGLISH

Version 1.0.2    2022/11

[www.blowsome.kr](http://www.blowsome.kr)

[www.teamxhaust.com](http://www.teamxhaust.com)

[www.jsrperformance.com](http://www.jsrperformance.com)

# BLOWSOME



## Product Installation & Use Manual

JSR Performance Product

Manual for the  
**BLOWSOME**

[www.blowsome.kr](http://www.blowsome.kr)  
[www.teamxhaust.com](http://www.teamxhaust.com)  
[www.jsrperformance.com](http://www.jsrperformance.com)

ENGLISH

Version 1.0.2    2022/11

## Foreword

Thank you for using BLOWSOME. BLOWSOME is an advanced active sound that provides users with the best experience based on easy product control through APP, which is developed based on non-sense of difference sound quality and user convenience. BLOWSOME is recommended that the person wearing it read the manual carefully so that the product can be fitted in the correct way. The manual provided includes a variety of tips and useful information, including basic installation methods, initial product testing, component information, and troubleshooting in the event of a problem. The BLOWSOME product must be fitted by a professional fitter who is skilled in installing automotive parts. To ensure proper installation and safe use of the product, follow the instructions provided in this manual. Unlike the instructions and warnings contained in the manual, the head office is not responsible for any damage or personal injury caused by improper installation, use and maintenance of the product (including direct/indirect or consequential damage). There may be editing errors or omissions in this manual, and the contents of the manual may be changed without notice to improve the performance of the product.

## Copyright

This manual is protected by copyright law, and all rights are protected by law. Unauthorized reproduction, copying, modification or translation of this manual is prohibited except as permitted by copyright law. BLOWSOME is a registered trademark of JSR performance. The rights to all works related to the product, such as product design, trademark, and product promotion of BLOWSOME, belong to JSR performance. Unauthorized reproduction and use of related works without permission is prohibited. If you violate this, you may be punished in accordance with the relevant laws and regulations.

## Safety and Compliance warning

Before installing the BLOWSOME product, you must verify and proceed with all of the items listed below.

- This manual applies only to the vehicles shown on the cover, and some parts, such as the brackets used in the manual, are designed for that vehicle. The installation method of the product may vary from vehicle to vehicle, and please check if the vehicle type in this manual matches the product you received.
- Please be careful about the temperature of the vehicle when installing the product. If you proceed with the installation immediately after the vehicle is finished, some parts of the vehicle may be very hot. Please install the vehicle after it has cooled sufficiently before starting installation.
- To prevent damage to yourself, others, or your car, make sure your vehicle is located safely. When installing in a small space, be careful about what you are installing.
- Once you have received the product you ordered, make sure that the components of the set you (or the fitter) have arrived properly. The components for each set can be found on the 'Product Configuration' page of the manual or on our website at [www.teamxhaust.com](http://www.teamxhaust.com). If a component is missing, contact your supplier (Headquarters or Distributor) before proceeding with the installation.
- Before installing it in the vehicle, make sure to conduct a test to check the operation of the product. If the product does not function properly during the test, refer to the FAQ included in the manual or contact your supplier (Headquarters or Distributor).

## General note

Photo and Picture Information:

Photos and other illustrations used in the manual are intended to provide a general overview and individual steps for proper installation and use, and may not fully match the actual configuration of BLOWSOME.


Regarding the vehicle's basic condition:


The installation process may vary depending on other parts currently installed on the vehicle. When removing additional parts, follow the manufacturer's manual and proceed with BLOWSOME installation.


Regarding the installation process:


If the operator makes a decision different from the manual for any reason at the time of installation of the product, all information provided in this manual shall be considered general information provided for the convenience of the operator. Due to BLOWSOME, all responsibility for the removal of other parts, the vehicle manufacturer's warranty application, or the suitability for the use of the warranty lies with the fitter.


## Mark box and symbols


 **Reference**  
Markings for reference or description within the page.


 **Warning**  
Markings to describe issues such as safety or breakdown, warnings, etc. during installation.


 **Caution**  
Markings to explain what the fitter should be familiar with during installation.

 **Reference**  
Markings for description associated with mobile APP.

 Proceed with attention to damage during installation

 Installation with special attention to moisture

 Use the tool to proceed with the work

 Be careful as this is an electrical connection

 Work progress using brackets

 Connecting Wiring Using Cable Tie

## Components

List of the components enclosed in the product.



- **Module**  
Generate a B.O.V sound using the vehicle's CAN signal. Controlled by Bluetooth communication.



- **CDU**  
It's a speaker that generates B.O.V sound. It is installed inside the front bumper or inside the hood.



- **Long Wire**  
Used to connect the CDU to the module. Use in conjunction with the 16p connector.



- **Main Wire**  
Used to connect the module to the vehicle, speaker wiring can be connected also.



- **T Connector**  
Used to connect the main wire to the vehicle's CAN wiring.



- **DLP Wire**  
Used for sound updates and firmware updates. This is the USB mini B type.

### ⚠ Check Components

Verify that the components of the ordered product have arrived properly and that the product is functioning normally.





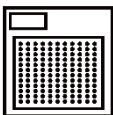



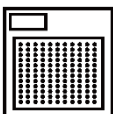
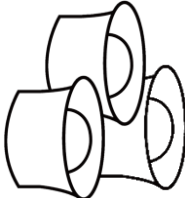


## Set Components

There are three product components according to the speaker specifications. There are one speaker configuration, C1, two speakers configuration, C2, and three speakers configuration, and you need to check the components well for each set.

### Reference

Modules, main wires, and other accessories are all provided the same, with long wires and fixing brackets to match the number of speakers per set.

- C1 = 1 CDU, 1 long wire & bracket
- C2 = 2 CDU, 2 long wire & brackets
- C3 = 3 CDU, 3 long wire & brackets

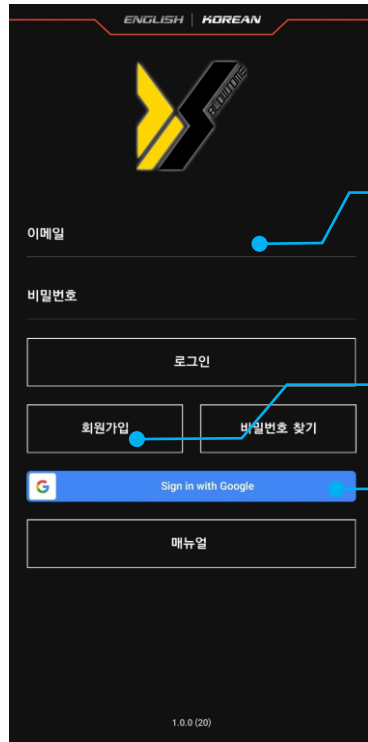
C1				
C2				
C3				

### Check Components

If the component does not meet the specifications of the product ordered, or the product does not work properly, please refer to the FAQ and contact the headquarters and distributors if it is difficult to resolve the problem.

## App

Search for "Blowsome" in the appropriate store among App Store & Play Store, install it, and proceed with membership registration. The Blossom mobile app supports all mobile devices.



For existing users, log in by entering the email address and password that you used when you first joined.  
(example : abcd123@gmail.com)

For new users, click 'Membership' to proceed with membership.

It can easily sign up for membership and log in without email authentication using Google account.

### **i** Reference

For Apple, you must have IOS 6.0 or higher to use the Blossom app.  
Please refer to the app manual for more information on the app.

## App

This is the App Main page. TURBO, Blow Off Valve, and Volume settings are available.



### **i** Reference

For Apple, you must have IOS 6.0 or higher to use the Blossom app.  
Please refer to the app manual for more information on the app.



## Pre-test

To ensure a comfortable installation, a test should be conducted before installing the product on the working vehicle to ensure that the product is correct. If there is a problem after checking, please solve the problem through FAQ, and if the cause is not confirmed, please contact the supplier (headquarter or distributor) to take action.

### Reference

The product operation test is to determine whether the product is operating normally, so it is okay to proceed with another vehicle rather than a working vehicle. It is reasonable to use a vehicle that is always present in the workshop.

#### Product Simple Connection

Plug the main wiring 16P connector into the module and connect the power wiring directly to the battery. (stable power source connection as it is a test) There is a battery in the bonnet or inside the trunk.


#### Find CAN wiring for the vehicle

Connect the two strands of CAN wiring on the vehicle to the green and yellow of the BLOWSOME main wiring. Refer to the CAN manual for location of CAN wiring by vehicle.

#### APP Settings

1. Download the APP.
2. Sign up after creat account
3. Select the vehicle type.

### Reference

Vehicle Type Selection Path: MAIN PAGE >  SETTING > MY CAR > Manufacturer > Yearly model > Fuel Type

#### Verifying Product Operation

Sound: After starting up, press and release the accelerator to see if sound is generated from the speaker.

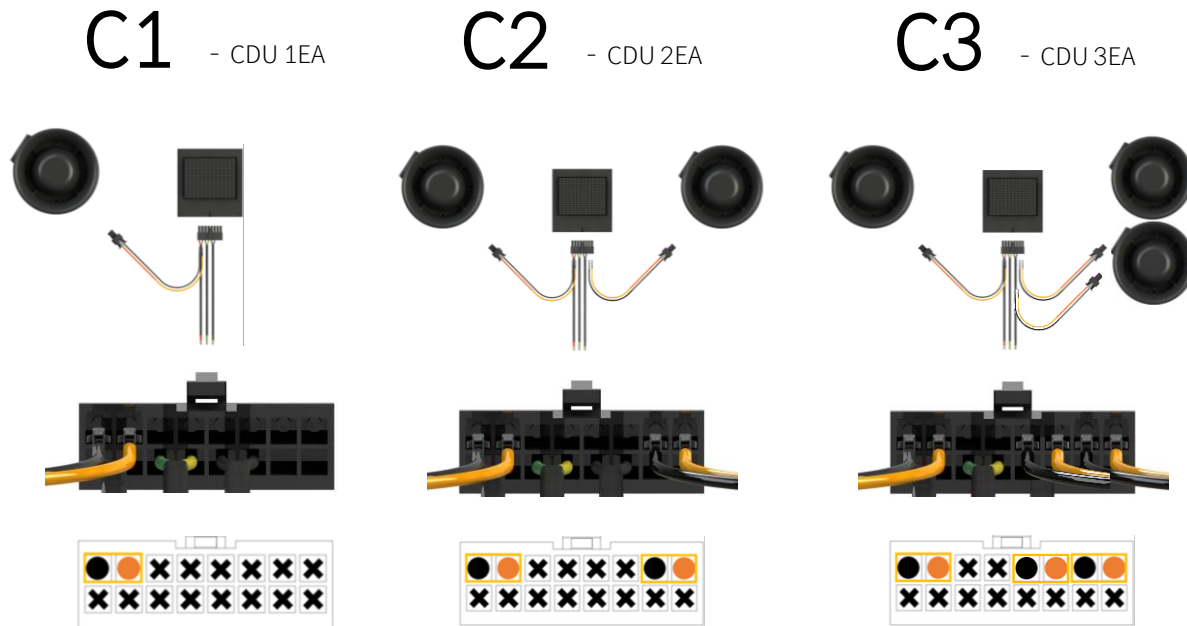
LED: After setting up, make sure that both the power LED (green) and the CAN LED (blue) are illuminated.

#### Troubleshooting

- Check the module for LED illumination. (Green-Power/Blue-Communication)
- Make sure that the 16P connector is connected well to the module.
- Make sure that the connector on the speaker wiring is well connected to the speaker.
- Make sure that the HIGH, LOW on the CAN BUS is not connected in reverse.
- Please find the correct CAN BUS wire.
- Choose the type of vehicle, type of vehicle to be equipped, and type of fuel.
- Make sure you are not muted.
- Your mobile phone must be connected. If Bluetooth of the previously used smartphone is activated, that smartphone is connected first, so Bluetooth of the previously used mobile phone must be turned off.

## Wiring processing (CDU)

Connecting the wiring of the speaker unit introduced into the vehicle interior to the main wire connector.



1. Connect the wiring to the correct location according to the hardware settings
2. Push in deeply until pinning sound occurs

### Warning

Insert carefully in the +, - direction of the wiring.  
Pay attention to the direction of the connector, and be careful not to confuse where you want to insert the wiring.

### Reference

If the wiring is incorrect, the pin holes can be pushed out by a sharp tool.  
Please refer to the shape of the wiring terminal pin.

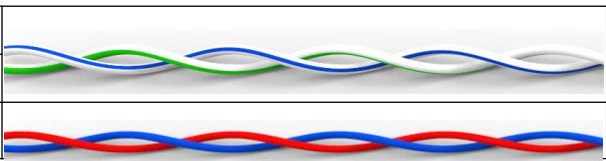
## CAN Signal

Connect CAN wiring of product to CAN BUS wire of vehicle

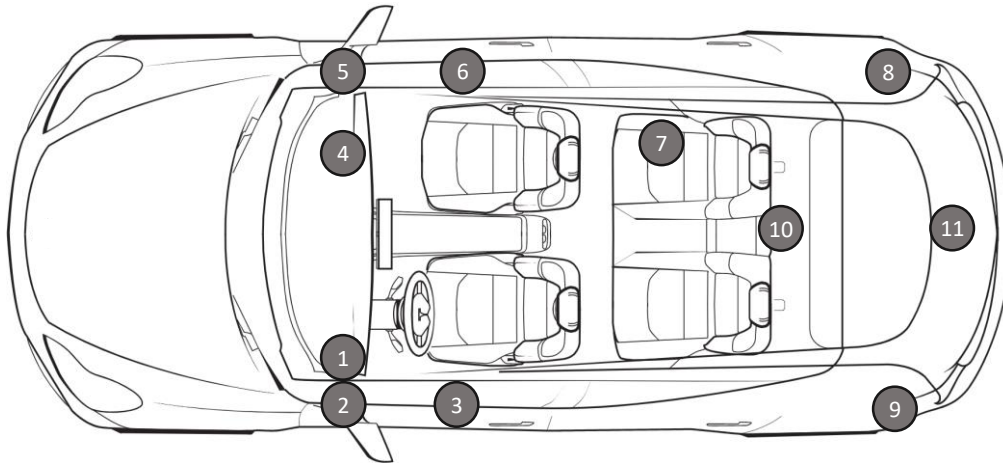
### 1. Characteristics of CAN wiring

- It's twisted into a two-stranded spiral.
- Multiple wirings are mixed together.
- The thickness of the wiring varies.
- Wiring colors are mixed or monochrome.

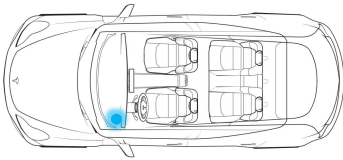
EX)

Mixed: Green lines on a white background (white/green)	
Mixed: Blue lines on a white background (white/blue)	
Solid Color: All Blue / All Red	

### 2. Location of CAN wiring

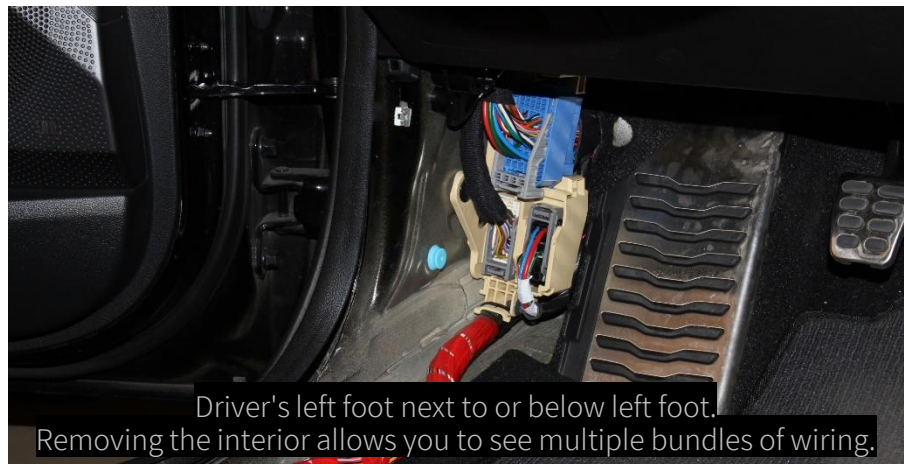
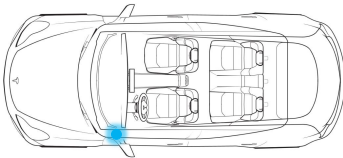


## 1 OBD connector (including ground)



Some vehicles may receive CAN signals via the OBD connector. These vehicles can be fitted using the supplied OBD cable without the need to remove the interior separately.

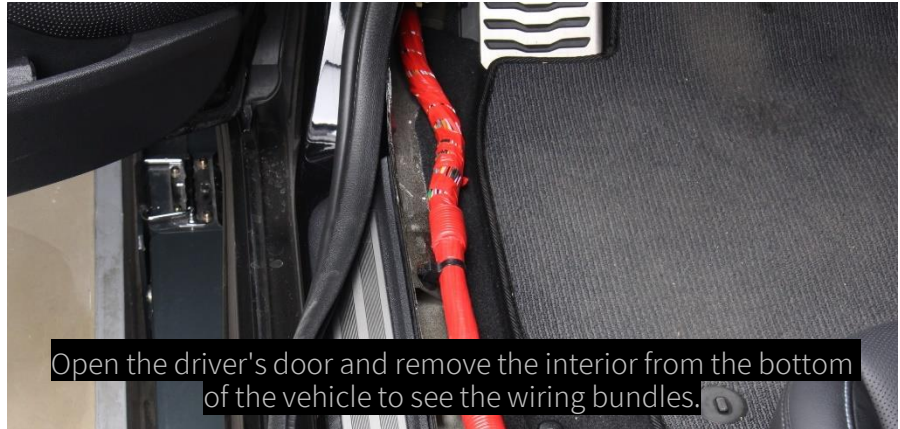
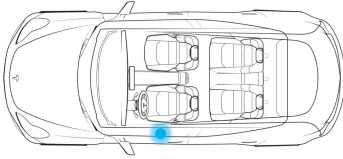
## 2 Driver's seat front pillar bottom trim



Driver's left foot next to or below left foot. Removing the interior allows you to see multiple bundles of wiring.

3

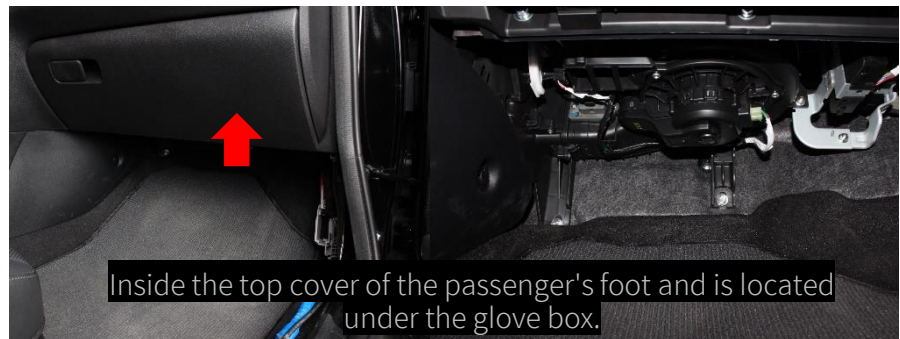
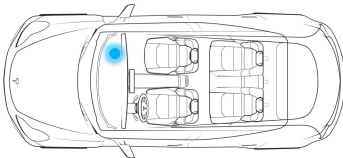
Inside the driver's door step



Open the driver's door and remove the interior from the bottom of the vehicle to see the wiring bundles.

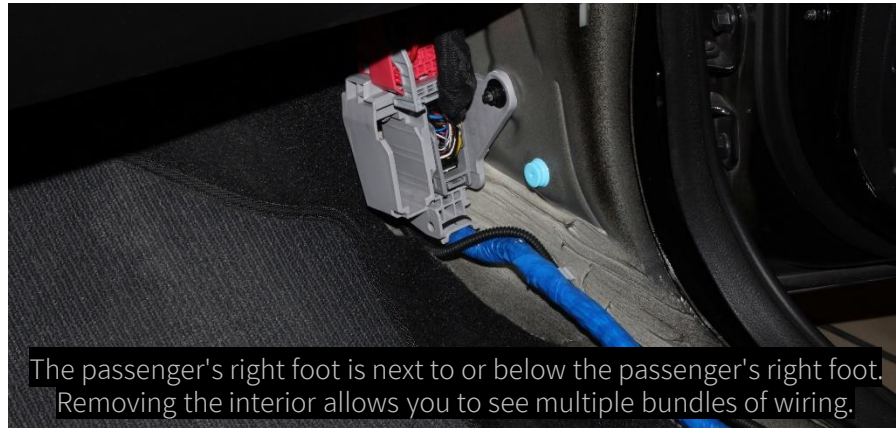
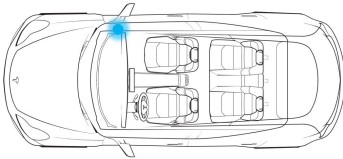
4

Inside the cover above the passenger's footrest

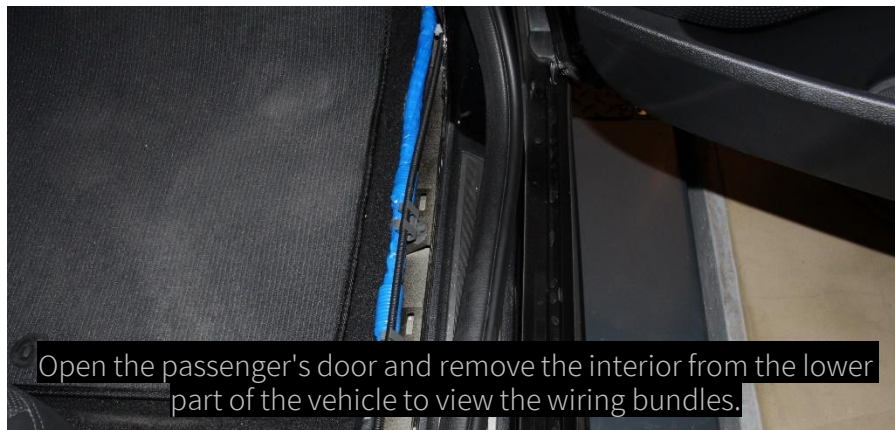
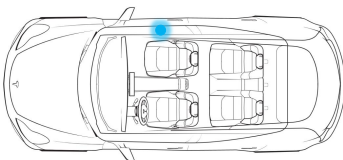


Inside the top cover of the passenger's foot and is located under the glove box.

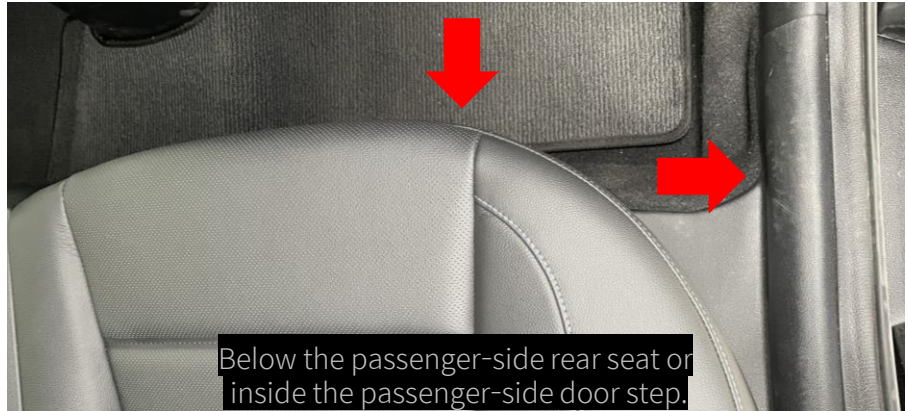
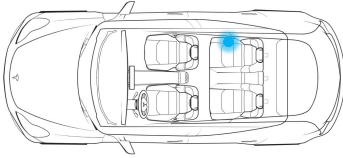
5 Passenger's front pillar lower floor trim



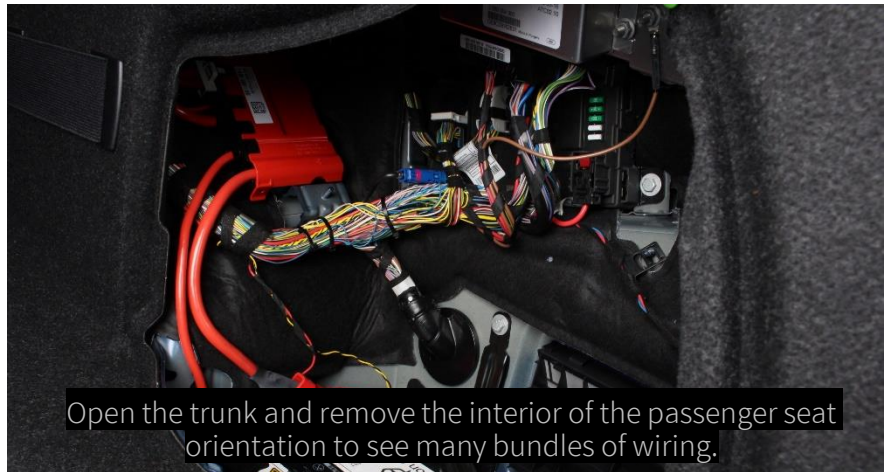
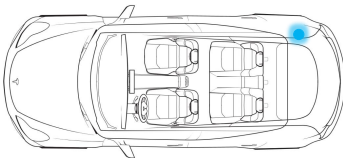
6 Passenger's door step inside



7 Under the passenger's facing rear seat

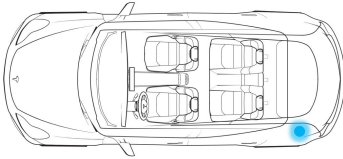


8 passenger side direction trunk interior inside



9

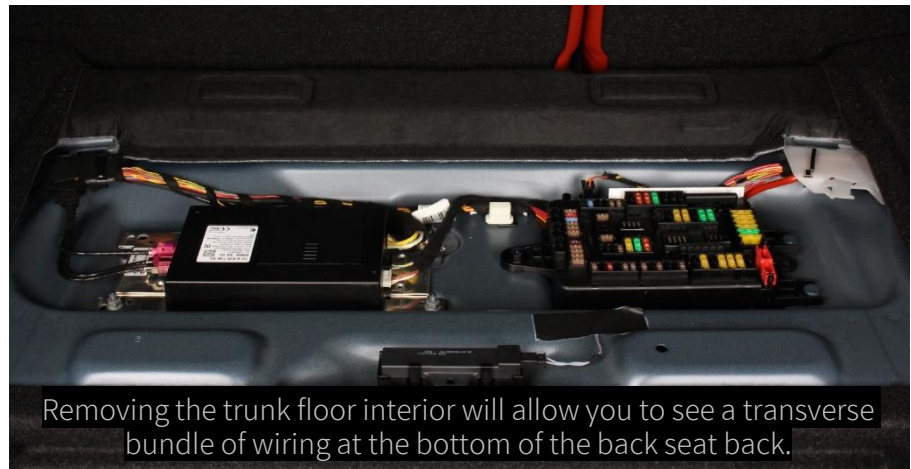
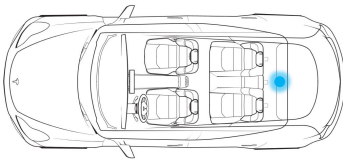
Inside the driver's side trunk interior



Open the trunk and remove the driver's side interior to see many bundles of wiring.

10

Rear seat rear Direction on trunk floor

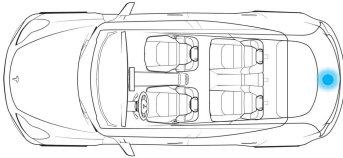


Removing the trunk floor interior will allow you to see a transverse bundle of wiring at the bottom of the back seat back.



11

## Trunk floor bumper orientation



### 3. Precautions for CAN wiring work

- Use a stripper to remove only the cover of the CAN wire and connect it. (Never break the CAN line. If it breaks, it must be soldered, connected, and insulated.)
- The supplied T-tap connector is used to check and close the CAN line. (After connecting the CAN wire, the sound check and LED illumination process should take precedence.)

## Speaker mounting orientation

1. When the speaker installation is directly or indirectly exposed to the outside (grill, fog lamp hole, etc.), mount it facing the entrance of the speaker in a direction opposite to the vehicle's direction of travel.
2. Install the speaker with the entrancefacing down so that it can immediately escapeevenif foreign substances or water enter.

### Correct installation



### Incorrect installation



#### Warning

Foreign objects entering the speaker can cause problems.  
When installing the speaker, make sure to install it in the recommended direction.

#### Reference

If there is an obstacle right in front of the speaker, the sound may be small due to the amplification, so please face the entrance as wide as possible.

Example of installing



Installation of the engine compartment inside the hood – EX 1



Installation of the engine compartment inside the hood – EX 2



Between Grill and Frame



Example of installation on the grill side

## Electric power source

### 1. Electric power source (+)

#### 1) The wire color is red.

It consists of two basic ones, and you have to put them together and connect them.

#### 2) It must be connected to ACC power.

IG1, Cigar jack, etc. Power that comes on when the key is on  
(preventing power shutdown and malfunction of 10A or more if possible)

#### 3) Connect to a power source with a small voltage drop.

A relay should be used when cranking is a power source with a small voltage drop but less than 10 Amps.



#### Caution

Connecting product power to a permanent power source can cause battery discharge.

## 2. Find Power

### 1) Vehicle power off

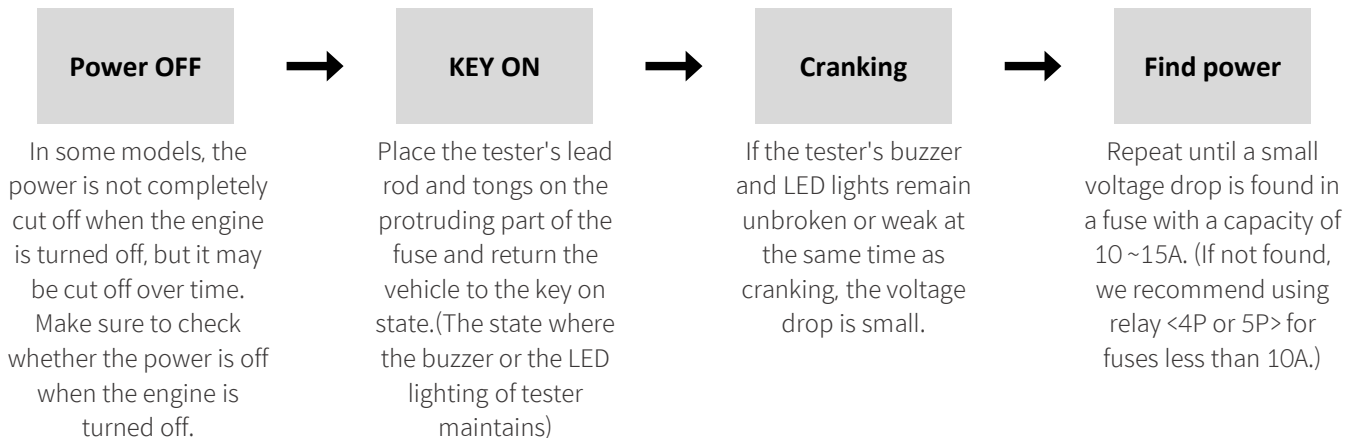
After turning off the start of the working vehicle, make sure that the vehicle is fully turned off. The assistant sits in the driver's seat, waiting for the operator's instructions..

### 2) Find permanent power sources and exclude them.

After removing the cover of the indoor fuse box of the vehicle, the operator places the lead rod and the tongs on the protruding part of the fuse with the multi-taster & tongs type electric conduction tester to find the permanent power and remove it from the power list primarily.

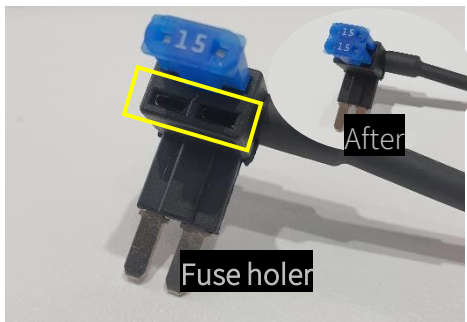
### 3) Voltage drop test

Proceed with the voltage drop test among the remaining power sources except for the permanent power source.



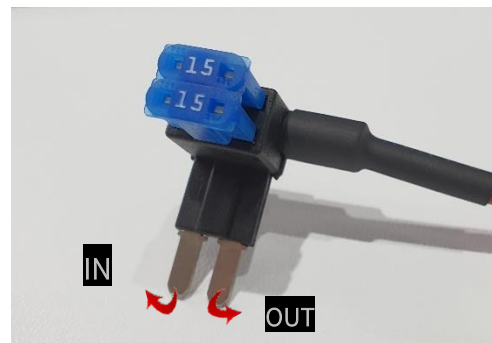
4) Use fuse holder

Remove the fuse from the vehicle.

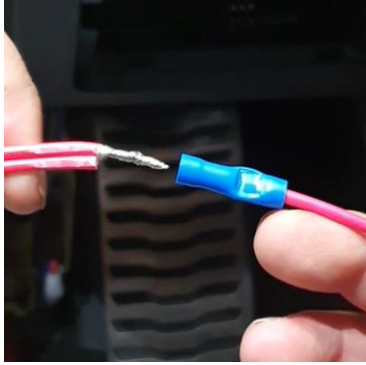


Insert the removed fuse into the blank in the fuse holder.

Insert the genuine fuse again in the in/out direction of the fuse holder.

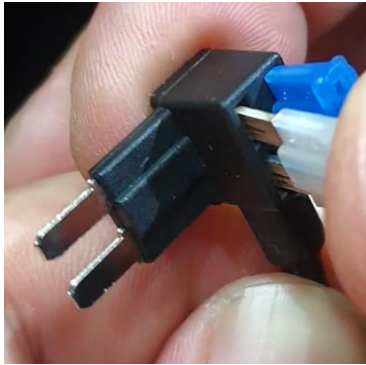
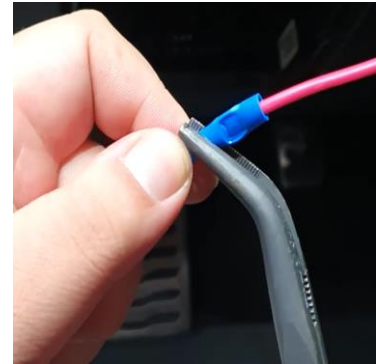


5) Finish



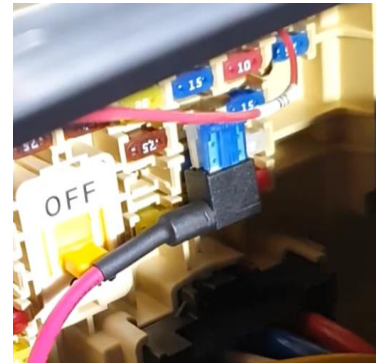
1. Bridge two strands of power wiring into one strand and insert them into the fuse holder connection terminal.

2. Clamp the terminal with a tool such as a long-nose plier.



3. Remove the existing fuse and put it in the empty space of the fuse holder.

4. Insert the fuse holder into the spot where you pulled it out



## Ground connection

### 1. Ground connection

#### 1) The wire color is black.

It consists of two basic strands, and two strands must be gathered and connected.

#### 2) Do not connect the ground cable of other products.

Connecting by bridging (-) wiring in use by other products may cause problems.

#### 3) Do not connect directly to the battery (-) terminal.

#### 4) Ground on a genuine bolt suitable for grounding, and avoid areas with paint.



#### 5) It is recommended to use a crimping terminal.





## Sound update (using DLP)

### 1. Advance preparation

#### 1) Module

It's a BLOWSOME module.

Need to remove the module from the vehicle and prepare it.

#### 2) USB Cable

USB A – USB mini B type cable. It is enclosed when you purchase the product.

#### 3) Internet-enabled computers (or laptops)

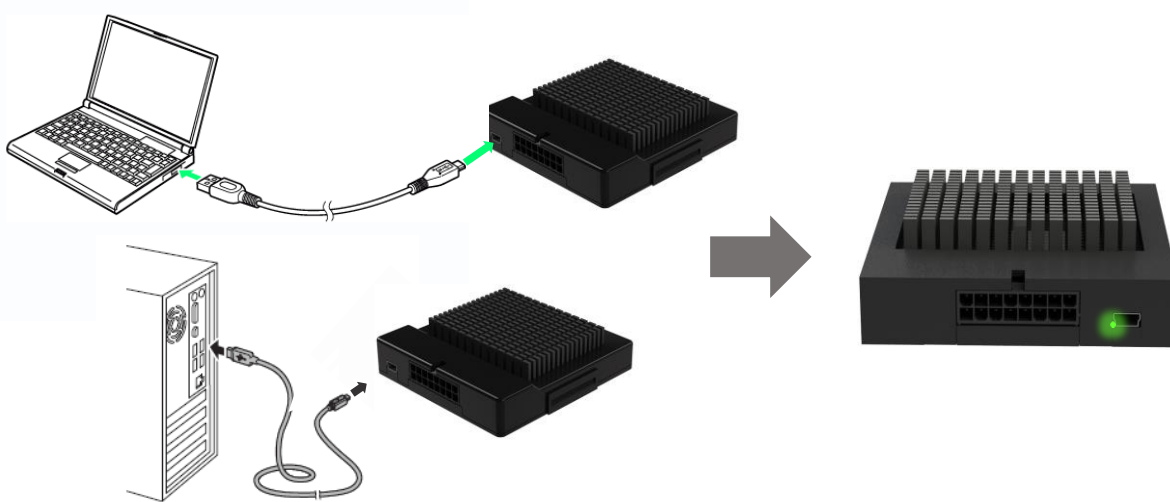
A computer (laptop) with WINDOW 7 or higher operating system is required. The Internet must be connected, and WIFI is fine.

#### 4) DLP 다운로드 프로그램 & USB 드라이버 프로그램

Must download the USB Driver Installation File and Downloader, and then unzip and prepare. Programs and drivers can be downloaded from the homepage

[🔗Shortcut to Home Page](#)

## 2. Connect to PC



Connecting a PC (or laptop) to a module with a USB cable  
Check the power LED (green) on connection

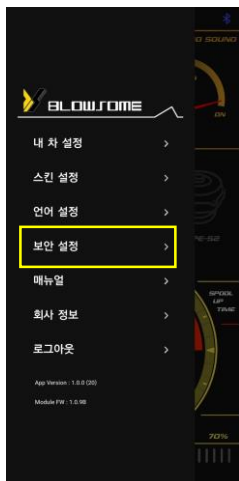
### **i** Reference

The PC (or laptop) produces a connection noise when connecting the module.  
If the ring tone does not occur normally, please check the USB driver installation.

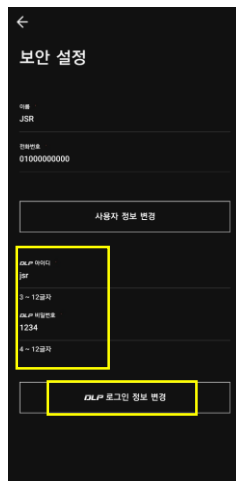
### **i** Reference-2

A green LED indicates that the module has power.  
If the LED is not lit, you must use a different USB port or a different USB cable.

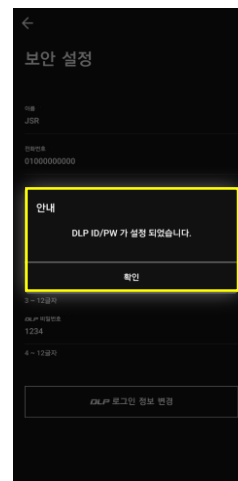
## 2. Checking DLP Login Information



Click the Security Settings tab in the APP menu



Check the DLP ID & password of the marked part.  
Modify the information if necessary and click the button below to change the information.

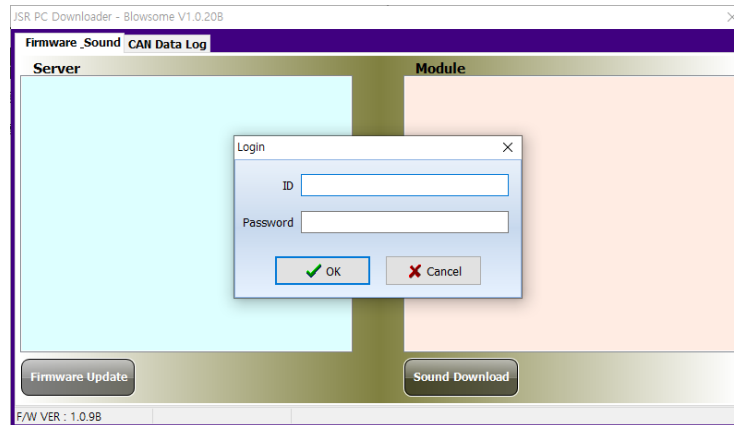


You can check the message that the information change is complete.

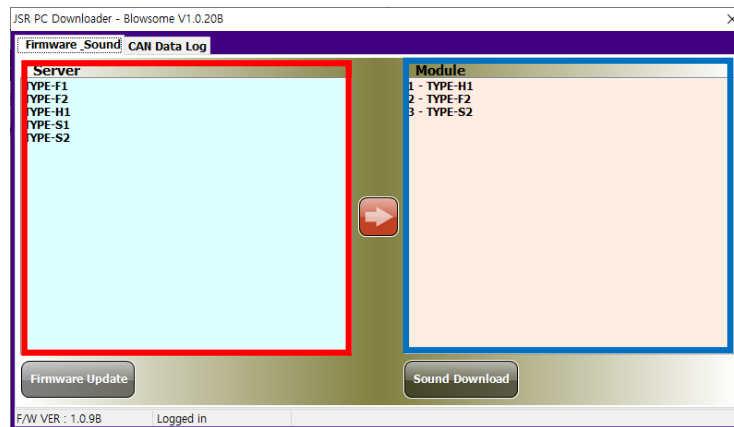
### Reference

The DLP program is case-sensitive, so be careful with the setting.

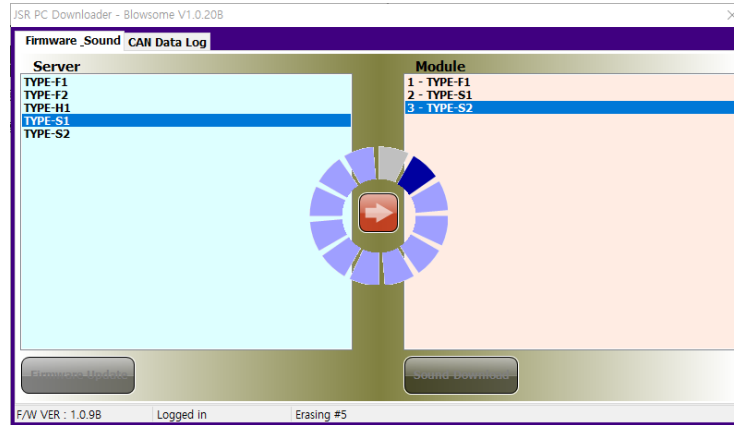
### 3. Download Sound



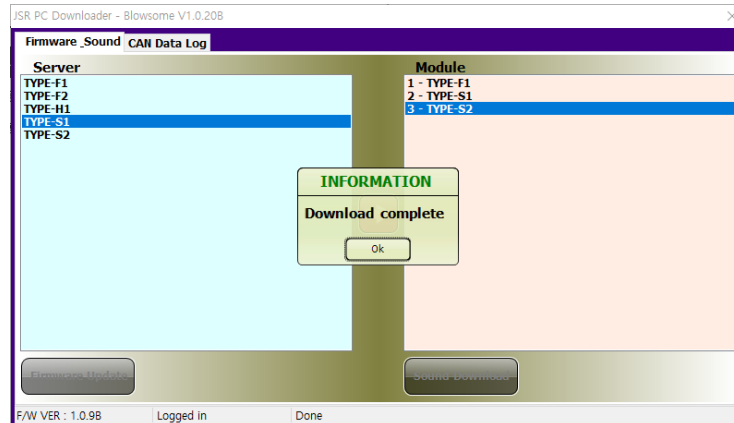
Log in to the DLP program using the login information you have verified



Please move the sound you want to update from the server list (red box) to the module list (blue box).



Click the Sound Download button to download the sound.



When the sound download is complete, please check the completion message and exit the program.



**Warning**

Forced USB disconnection during download operations can cause module damage.

## FAQ

### 1. Module LED

- 1) The power (green LED) is not illuminated.

**RE:** Make sure that the power and ground parts of the vehicle and the module connector are connected without any problems.  
If the problem is not solved after checking, please contact your installation store.

- 2) The CAN signal (blue LED) is not illuminated.

**RE:** Check the main wire (CAN wiring) connected to the vehicle.  
Please select the correct car model in the APP. Alternatively, please select a different type of the same car.  
- The blue LED is generated when a signal is received from the vehicle and the signal type is the same as the vehicle type set.  
Check the power/ground of the vehicle.  
- CAN signals may not be read depending on the power state.

### 2. Bluetooth connection

- 1) When running APP, the module search screen does not move on to the next screen.

**RE:** Make sure the vehicle is in the Key on or Start on state..  
- The Bluetooth scan proceeds normally when the module is powered normally.

- 2) Module search is not possible even with vehicle start on.

**RE:** Please disconnect and reconnect the Bluetooth function of your smartphone, and restart the APP.

- 3) Multiple codes are detected during module discovery.

**RE:** When multiple modules are concentrated around, multiple can be detected (Scanned).

## FAQ

### 3. About APP

- 1) Please tell me how to register as a member and use the APP function.

**RE:** You can download APP manual (PDF) to the homepage archives.  
[Shortcut to Home Page](#)  
You can also download the manual directly from the Kakao Talk channel. Please refer to the link below.  
[Shortcut to KAKAO Channel](#)

- 2) Unable to log in.

**RE:** Please enter the correct ID or password.  
- All IDs must be entered in email format.(EX-blowsome@jsr.kr)  
- Both ID/password are case sensitive.

- 3) I installed it secondhand, so should I download and use only the APP?

**RE:** When signing up for APP membership, select the purchase classification as a used installation and sign up.  
After the creat account is completed, you can log in and use it.

- 4) Find Email/Password

**RE:** If you forget your email, there is no way to find it. Please use the e-mail address that you usually use.  
- If you lost your email, please write down your personal information (phone number, name) and send it to jsrperformance@naver.com. We can confirm some of your email addresses. However, we will check it sequentially.  
If you lose your password, you can click the 'Forgot password' button in the login window to get a new password with your email (ID).

## FAQ

### 4. Product Installation (CAN)

- 1) Can't I use OBD without CAN wiring?

**RE :** CAN BUS signals are available on OBD for some vehicles. In this case, it can be installed simply using an OBD-only wire without using CAN wiring.  
(OBD compatible vehicles can be found in the CAN manual.)

- 2) I connected the CAN wiring according to the manual, but there is no sound.

**RE :** If the blue LED is not lit, you need to find another CAN wiring, and if the LED is lit, you need to select a model from APP. (Check all types when selecting a vehicle model)  
If the problem persists, you must find another CAN wiring.

- 3) The blue LED is on, but there is no sound.

**RE :** Just because the blue LED is lit does not necessarily mean the correct CAN wiring.  
There may be several colors of the same color, so look for a thin line-oriented CAN wiring.

- 4) The manufacturer of the installation vehicle is not in the CAN manual.

**RE 1:** It is still an undeveloped model, and if the vehicle is in stock, the headquarters will read the vehicle signal remotely to let you know if it is possible to develop it.  
Please contact the headquarters. (Kakao Channel: BLOWSOME)

**RE 2:** You can refer to the manufacturer data of the same line.  
For example  
If the Volkswagen vehicle is not in the CAN manual and vehicle selection, it can also be operated using the Audi's CAN wiring information and vehicle selection.



## FAQ

### 5. Update Sound

1) How do I update the sound?

**RE:** Module Removal -> PC Connection -> DLP Program Execution -> Sound Update.  
For more information, see the video on how to update the sound on the YouTube BLOWSOME official channel.  
Please download DLP manual from the homepage data room and refer to it. -> [Shortcut to homepage](#)

2) The error "Can't access sound group" occurs.

**RE:** An error message that occurs when the file uploaded to the server and the file name set in the module do not match. Even if you use the same sound type, please change it to the sound uploaded on the server list.

3) Can't I update it with my smartphone?

**RE:** It is not possible to update using a smartphone.  
It can be updated with laptop/PC/tablet connected to the Internet.

4) I don't know DLP login ID/password

**RE:** You can view DLP login information in APP Run -> Menu -> Security Settings.  
Also, the ID and password are set randomly in the beginning, so please change them to easy-to-remember information.

5) The sound list disappeared in the Downloader Server List pane.

**RE:** Please check the version of DLP. Please download the latest version and reconnect it.

6) Tail lamp image does not change within APP after sound update.

**RE:** Please force the APP to shut down and run again. If it has been changed normally, it will operate normally within 2-3 times.

## FAQ

### 6. About sound generation

- 1) The B.O.V sound is too small.

**RE:** The BLOWSOME is designed to be implemented using a combination of signals from the vehicle to the same conditions as the actual B.O.V. Therefore, the sound suitable for the situation is set according to the vehicle driving situation and the driver's tendency. If you drive with more bold acceleration and high-RPM speed, a loud and grand sound will be generated. However, please comply with the current traffic conditions or traffic laws.

- 2) B.O.V sound does not occur at all.

**RE:** Please check the setting of 'B.O.V start point' in APP. It means that the sound occurs after the set RPM. Please refer to it and modify the setting value.

- 3) What does Spool Up Time mean?

**RE:** The sound characteristics of the Turbo sound.  
For actual turbo sound, the spool-up time varies depending on the size of the turbine or the vehicle's displacement. Our BLOWSOME can maximize the fun of driving by setting these parts yourself.

- Spoolup time HIGH -> Starting at low RPM, the Turbine approaches the characteristics of a fast-spinning small turbo.
- Spoolup time LOW -> High RPM brings the Turbine closer to the characteristics of the Big Turbo at full speed.

- 4) Can't I save the setting value I changed myself?

**RE:** Of course it's possible.  
There is no separate save button and it is automatically saved as soon as the user modifies the setting value. You can verify that the setting value is saved by modifying the setting, selecting a different sound, and then selecting the reset sound. Also, after modifying the setting value, the setting value is saved when APP shutdown – restarting, and the last selected sound is saved.

## FAQ

### 7. Warranty

#### 1) What is the warranty period?

**RE:** 6 months from the date of installation for defective products without customer fault for the module/wire. For speakers, no additional A/S is applied except for the initial state failure.

- The speaker is a durable part that varies greatly depending on installation conditions/driving conditions, etc., so no additional A/S is applied, and only the speaker can be replaced in the event of a problem with the fitted product.

#### 2) Can't I get an A/S for a used fit?

**RE:** Used products are not eligible for free A/S.

- Please understand that A/S is not supported in the case of used installation because the installation date cannot be specified and the probability of product failure is high due to electrical problems that may occur during removal/installation.

Paid A/S is available at all BLOWSOME dealerships nationwide, so please contact your distributor directly.

#### 3) Is free A/S only available at the first installation store?

**RE:** Yes, that's right. Free A/S is only available at the first installation store.

#### 4) If the first installation store is no longer in operation, where can I handle the A/S?

**RE:** Such special cases can be handled by contacting the headquarter. However, smooth A/S processing may be difficult because there are many things to check such as product installation status/installation date. We can also connect you to another distributor nearby if the customer wants to, but it may incur costs.

# BLOWSOME

Sound essential for your driving

**BLOWSOME** makes the most  
BLOW OFF VALVE sound

Forget about the simple and cute  
sounds of traditional mechanical B.O.V.



[www.blowsome.kr](http://www.blowsome.kr)  
[www.teamxhaust.com](http://www.teamxhaust.com)  
[www.jsrperformance.com](http://www.jsrperformance.com)