1. Before You Start

This product communicates with the vehicle through wireless and wired connection.

1. The performance of all wireless devices used in the product may deteriorate due to interference from the surrounding environment and other wireless devices.
2. Make sure to use the genuine connection cable provided by G.I.T Co., Ltd.

   (There is a risk of explosion, product damage, and injury.)
3. Do not disassemble the product of your own accord.

   (It may cause serious damage to the product.)

Precautions for Product Use

1. The operating temperature of the product is -20 °C to 60°C. Product functions can be affected if this temperature is exceeded.
2. Keep the product at an environmental temperature of -30°C to 80 °C. Product functions can be affected if this temperature is exceeded.
3. It is recommended to use the accessories packaged together with the product in the same box. If this product is used with basic accessories from other vendors, interference signals may be generated around the product by other electronic devices, resulting in abnormal operation of the product.
4. The radio conduction power of the product complies with the relevant RF standards. If the voltage and temperature of the product are too low or too high, or if the product is operated abnormally, the performance of the product may be affected due to unstable radio conduction power.
5. The safety/ RF/ EMC of this product has already been tested based on proven test and evaluation methods, with the provision of successful test result reports.

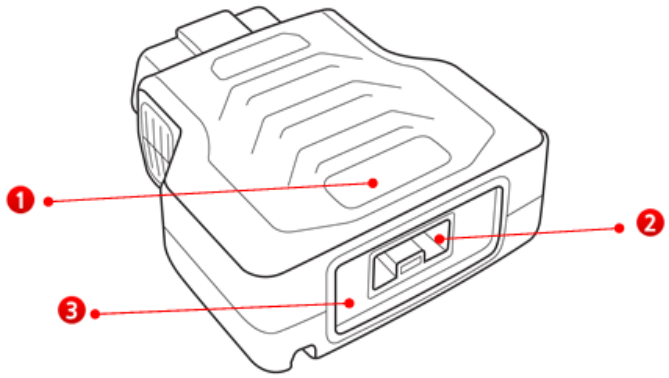
However, if the product is operated using an abnormal operating method or condition, the product may stop working or its functions may fail.

Limitation of Liability

All content and images used in this user manual may be modified, added or deleted without notice for improving or enhancing the product function and specification.
If the product was not manufactured by G.I.T Co., Ltd., the warranty service policy of the manufacturer will apply.
The free warranty becomes invalid, if the customer installed a program other than one recommended by G.I.T Co., Ltd., or modified or uninstalled the GDS Smart program in the information device (tablet) of the GDS Smart product.
This product is designed to support the malfunction diagnosis of the vehicle. Depending on the product condition, some inaccurate data may be displayed. Therefore, the user should decide how to diagnose and repair the vehicle according to the user's own discretion, and the manufacturer and seller are not held responsible for the results from the discretion.

2. Hardware Specifications

Configuration & Function Description of VCI III Module

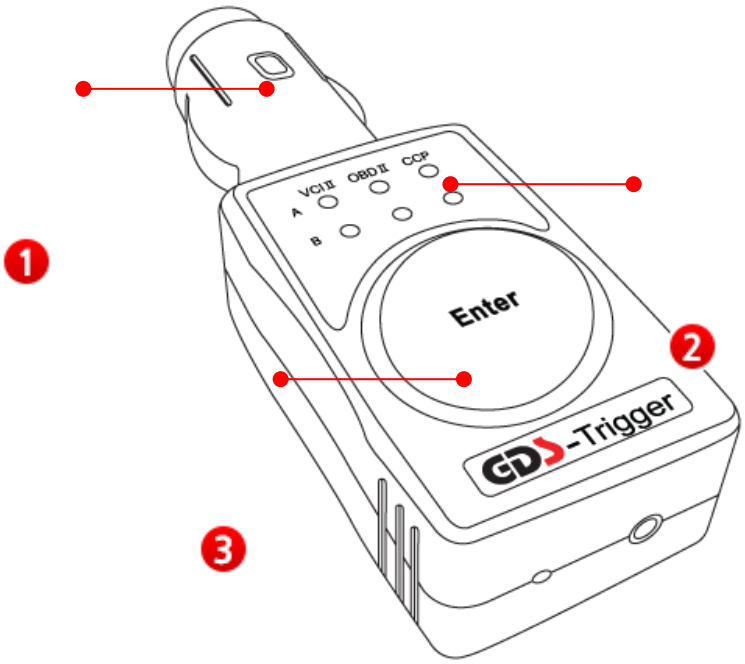


1	Status indicator LED	Displaying the notification of the diagnosis & reprogram communication status
2	USB connector (I/O connector)	Communication terminal that connects the VCI III main unit & information device (tablet) by cable
3	Bluetooth pairing switch	Button used for Bluetooth pairing of the VCI III module & trigger module

Specifications of VCI III Module

Item		Specifications
Processor	MCU	ARM 32-bit Cortex™-M7 Core/ 480MHz
	RAM (internal storage)	1MB
	Flash (internal storage)	2MByte
e-MMC (external memory)		8GB
O/S		RT O/S
Operating Voltage		9V ~ 30VDC
Temperature	Operation	-20℃ ~ 60℃
	Storage	-30℃ ~ 80℃
Indicators	LED	3 color LED (red/ green/ blue) * 4 ea.
	Buzzer	2.7KHz/ 88dBm
Wireless protocol	Wi-Fi	Wireless LAN IEEE 802.11 a/b/g/n (2.4GHz/ 5GHz)
	Bluetooth	BT Class I
A single-wire protocol	USB	USB 2.0 (high speed) x 1 ea. (PC & tablet)
Vehicle protocol		CAN (high speed CAN & CAN-FD, low speed CAN)
		K&L line, Reprogram
		Ethernet

Configuration & Function Description of Trigger Module



1	**Cigarette lighter connector**	Insert the trigger module into the cigarette lighter socket to supply power to the trigger module, and input the operation signal of the vehicle key.
2	**Status indicator LED**	Displays the power & pairing status of the VCI III module and the communication connection status of driving data.
3	**Enter button**	Use this button to manually trigger when using the driving data analysis function. This button is also used to perform Bluetooth pairing with the VCI III module.

Specifications of Trigger Module

Item		Specifications
Microcontroller		ARM 32-bit Cortex™-M3/ 120MHz
Memory		1MB flash memory 128KB SRAM
Operating voltage		7 ~ 35 V / DC
Temperature	Operation	-10℃ ~ 50℃ (14℉ ~ 122℉): Bluetooth mode
	Storage	-20℃ ~ 80℃ (-4℉ ~ 176℉)
Relative humidity	Operation	Non-condensing @ 0˚C ~ 10˚C (32˚F ~ 50˚F)
		95%RH @ 10℃ ~ 30℃ (50℉ ~ 86℉)
		70%RH @ 30℃ ~ 50℃ (86℉ ~ 122℉)
	Storage	Non-condensing @ -20˚C ~ 80˚C (-4˚F ~ 176˚F)
Current consumption		About 70mA @12V under normal conditions
Case		PC + ABS
Product size		39 X 112 X 26 mm
Weight		55g

Interface of Trigger Module

Item	Specifications
Wireless protocol	Bluetooth 2.1 + EDR
Indicator	6 LEDs + Backlit LED of the Enter button
Button	Enter button

3. Product Components

Components

Please check whether your product package includes all of the components below.

Component name	Image	Part No.	Quantity
VCI lll Module		G1XTDMN001	1
USB connector (I/O connector)		G1XDDCA020	1

4. Description of Module LED Status

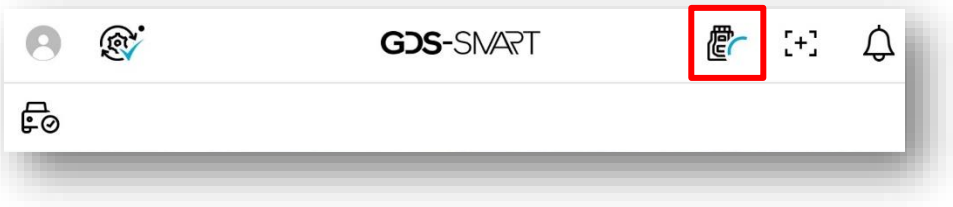
VCI III LED Status Indication

Item	Indication	Status	Description
VCI III		White : Power ON	White light ON. - VCI is turned on but not connected to the tablet. LED OFF - VCI is turned off.
		Green : Ready to use	Green light ON. - Connected to the tablet. Flashing green light - Sending/ receiving data to/ from the tablet.
		Blue : ECU upgrade	Blue light ON - ECU upgrade is in progress.
		Yellow : Driving data mode	Yellow light ON - Driving data is ready. Flashing yellow light - In recording data (saving data by trigger) Yellow blinks intermittently after lights OFF - Entered standby mode.
		Red : Warning/ notification	Red light ON - Error occurred while upgrading the ECU. Flashing red light - Not connected to the tablet for a certain period of time.

Trigger Module LED Status Indication

Item	Indication	Status	Description
Tigger module		Green	Slowly flashing green light - Not connected to VCI lll. Green light ON - In recording data. Fast flashing green light - In collecting and storing additional data.
		Orange	Flashing green & orange by turn - In updating trigger module firmware
		Red	Fast flashing red light - Not connected to VCI lll for more than 1 minute.

Program VCI Status Indication

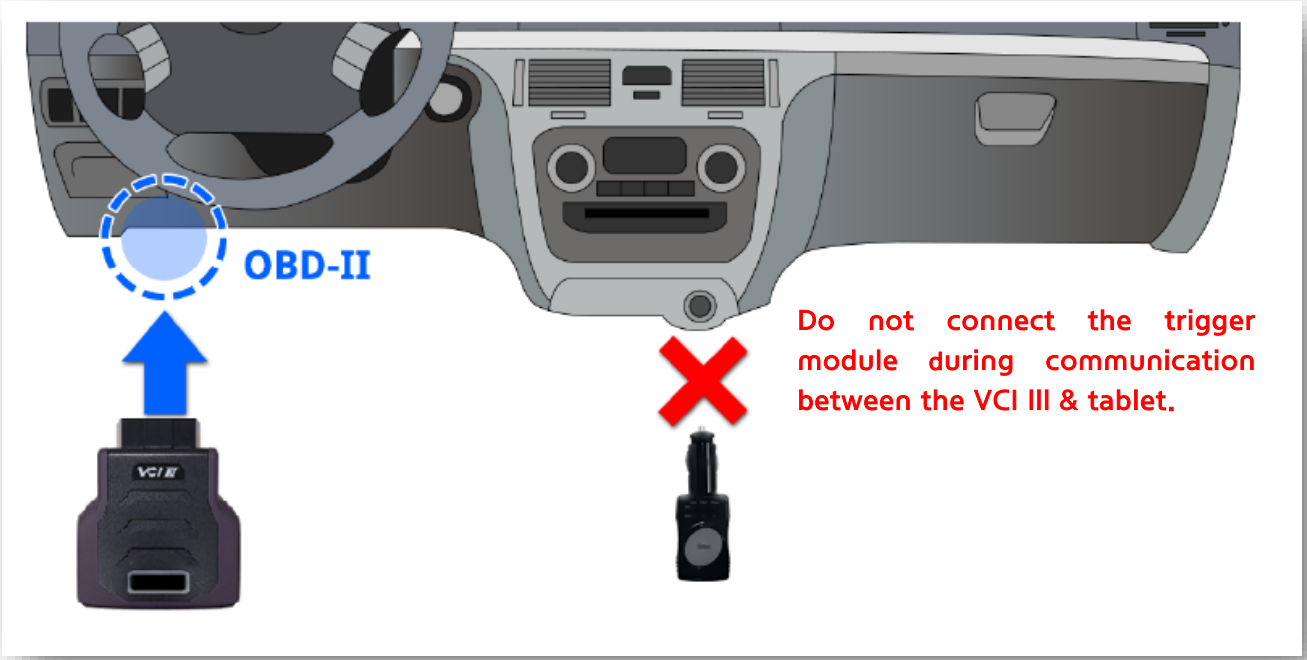


Item	Indication	Status	Description
VCI III		VCI III search stopped	Connection failed even when VCI III is turned on. (Search is automatically blocked in driving data mode.)
		Searching VCI III	Internet connection may be slow while searching for VCI III.
		VCI III Bluetooth connection	Bluetooth is connected.
		VCI III USB connection	Wired USB cable is connected.

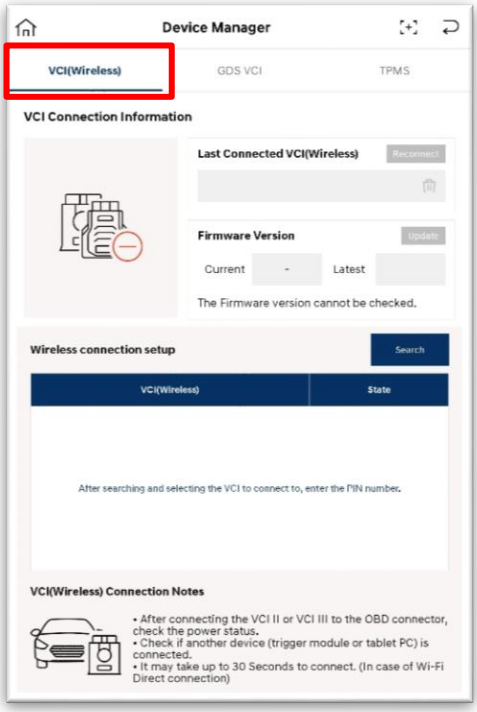
5. Communication Connection of Hardware Device

Connecting the VCI III Module (Bluetooth)

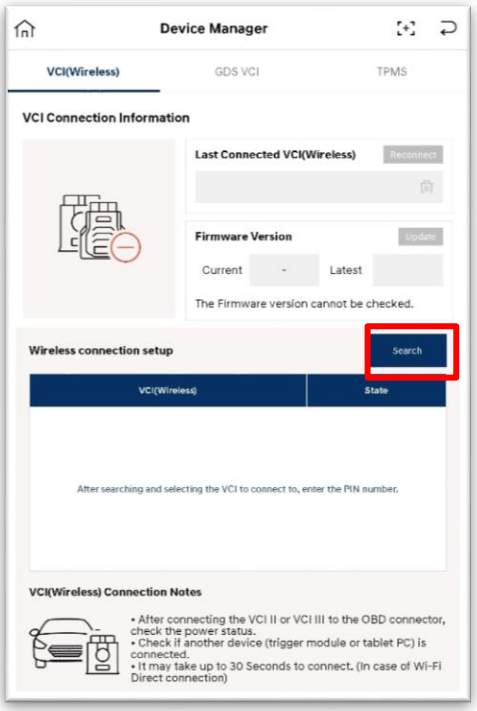
- Connect the VCI III module to the OBD-II terminal of the vehicle.



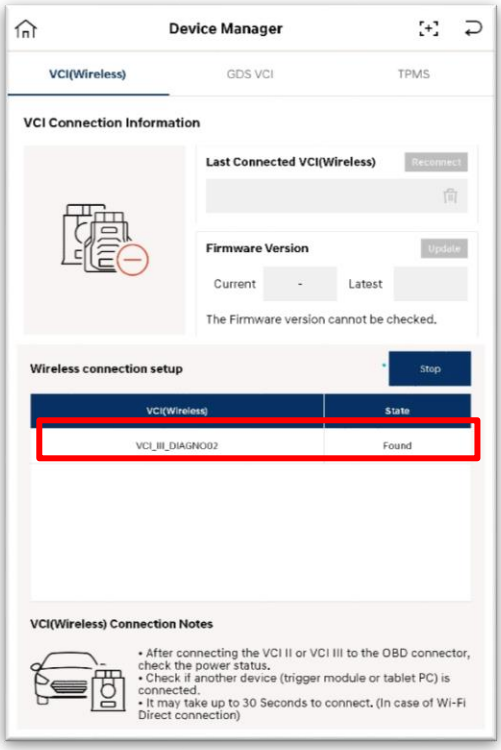
1. Touch the VCI (Wireless) tab on the Device Manager screen.



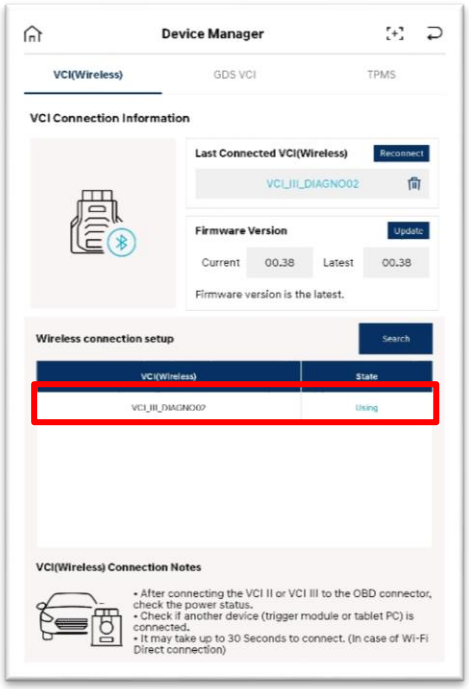
2. Select the “Search” button to search for the VCI III module.



3. Check the VCI III serial number to be connected and select it.



4. When the VCI III is successfully connected, the status information changes to “Registered”.

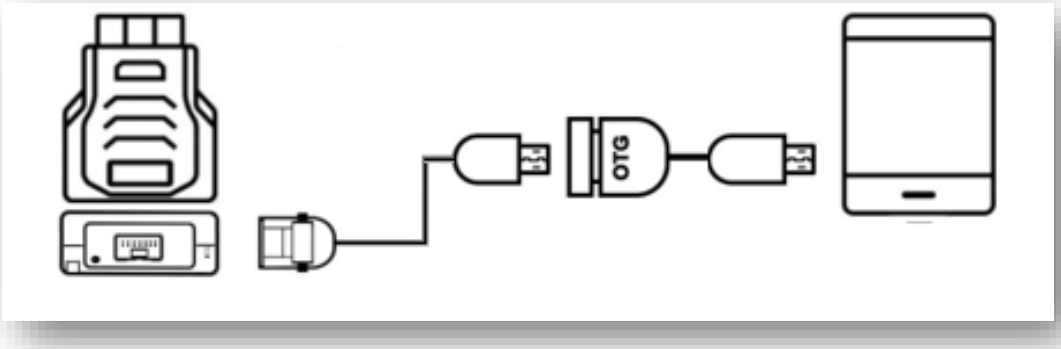


Wired (USB) Connection of VCI III Module

In addition to wireless connection, the VCI III module can also be connected to the tablet using the USB cable.

- **If the tablet uses a type-C port**

※ If the tablet has a 5-pin port, connect the OTG cable.

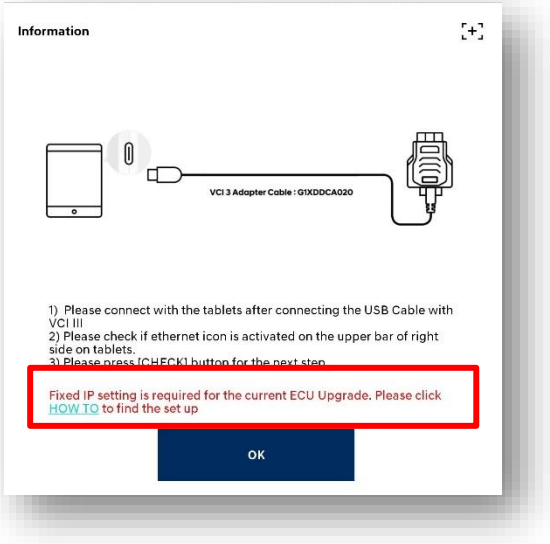


Note

There are some functions that require a wired cable during **Bluetooth** communication. Please keep this in mind when using it.

[When using Ethernet “ECU upgrade” communication]

If Ethernet communication is required for ECU upgrade, a pop-up message will be displayed since a wired cable connection is required.



[When setting Static IP]

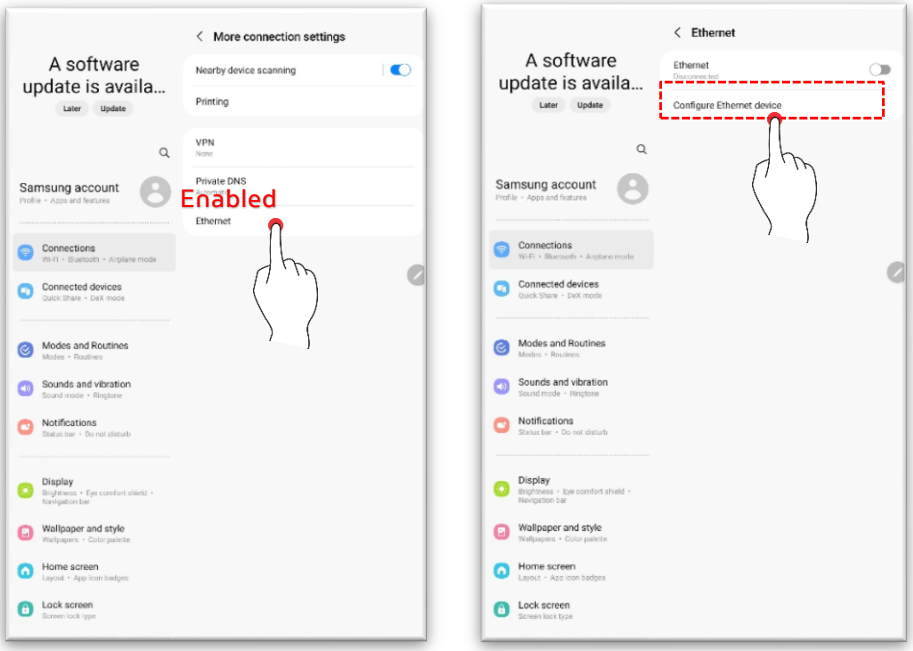
1. Connect the VCI III and wired cable (USB connector (I/O connector)). (VCI III turned ON)

2. Set the Ethernet IP of the tablet.

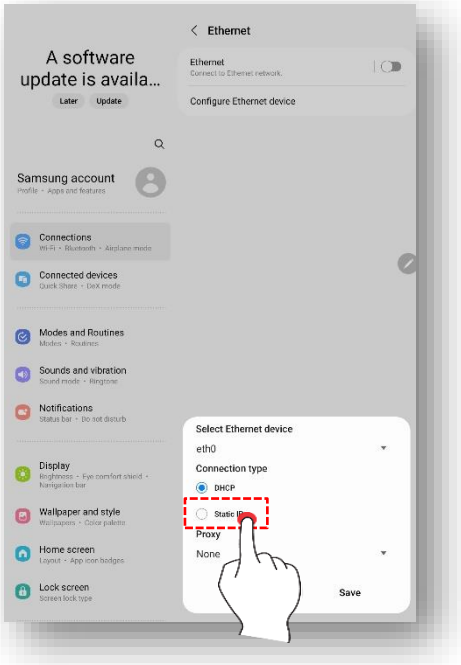
Settings 〉 Connections 〉 Select Ethernet 〉 Ethernet device configuration

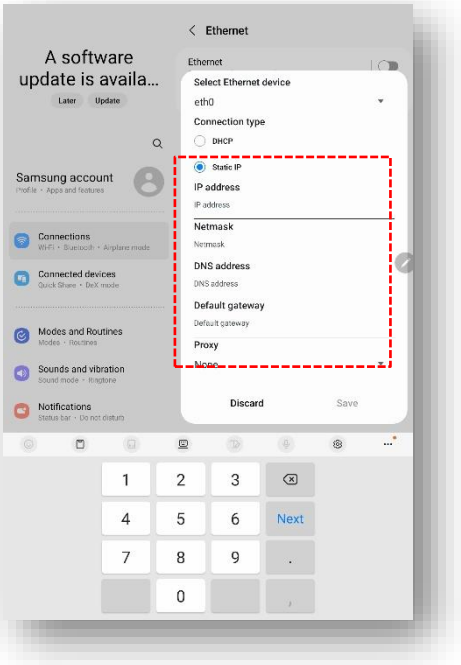
※ The “Ethernet” button will be disabled if the VCI III is not connected.

[Connecting a device]



3. Static IP settings (Enter the IP by referring to the list below.)



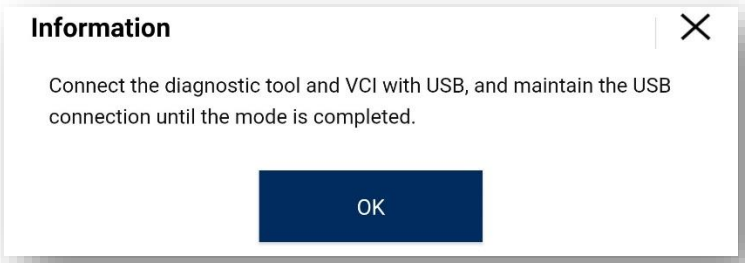


Static IP Address for Reference	
IP	10.0.128.0
Netmask	255.0.0.0
DNS address	8.8.8.8
Default router	10.0.128.0

[When performing a specific “additional function”]

If a wired cable is required for using an additional function, a pop-up message will be displayed as shown below.

- It is used when performing a precise function among additional function items.



[Wired cable connection]

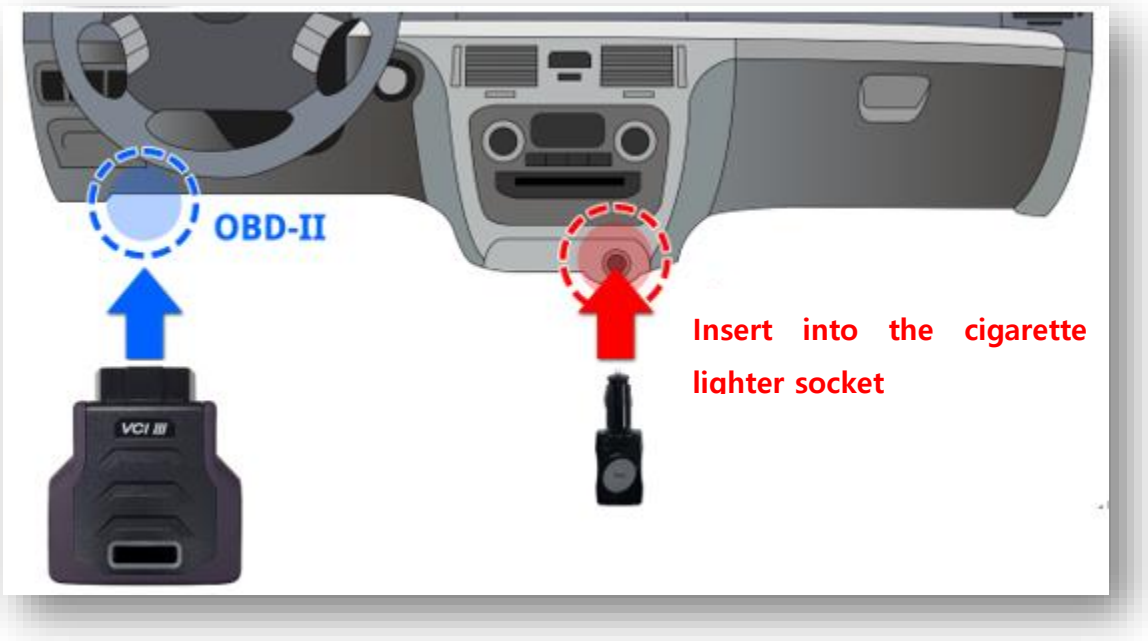
Connection between VCI III Module and Trigger Modules (Pairing)

To use the trigger function while using the driving data recording function with the VCI III module, connection (pairing) should be set between the VCI III module and trigger module via Bluetooth.

Set the connection by referring to the suggested pairing method after turning on each module as shown in the image below.

If the VCI III module and trigger module have been successfully paired, communication is automatically established when each module is turned on.

1. Preparing for connection



※ Connect the VCI III module to the OBD-II connector of the vehicle to turn on the power.

Turn on the trigger module by Inserting it into the cigarette lighter socket of the vehicle.

[Procedure to Pair VCI III and Trigger Module]

1. Turn on the trigger module and the VCI III module.

POWER ON

2. Press the trigger module and the [ENTER] button for at least 3 seconds.

3. Press the VCI III module and “pairing switch” for at least 1 second.

4. Pairing takes more than 40 seconds. When pairing is successful, the LED lights up in green.

Highlights of Trademark

1. Product: Scan Tool
2. Model: VCI III
3. P/No: G1XTDMN001
4. Manufacturer: G.I.T Co., Ltd
5. Country: Republic of Korea (KR)
6. Address: GIT Building, 87 Macheon-ro, Songpa-gu, Seoul
7. Contact No.: Tel. 82-2-2189-3300
8. Rated voltage: Equipment for displaying on the DC 9-30V ⎓ 1A DC ⎓ nameplate is suitable for DC only.
9. This product is marked as CE-certified according to the provisions of the RED Directive (99/5/EC).

   Based on this, G.I.T, Ltd. hereby declares that this product complies with the requirements and other relevant provisions of Directive (99/5/EC).
10. FDD ID: XF6-M7DB7
11. KC certification number: R-R-TMG-VCI III
12. Device name: Specific low power wireless device

    (wireless device for wireless data communication system)

User Notifications
This device has received a conformity assessment for use in a business environment, and may cause radio interference when used at home.

Fig. 1. WEEE Symbol

(Proper disposal of old electrical and electronic devices) If this symbol is marked on the product or packaging, do not mix it with household waste. Instead, it should be delivered to a place for recycling electrical and electronic devices. Otherwise, this product may be disposed inappropriately.

Product recycling helps natural resource conservation.

For more information on recycling of this product, please contact your nearest local authority, household waste disposal service provider or the dealer you purchased the product from.