



G-scan Tab

Quick Manual

Ver. GT-AM-GN-01

Included Components



GVCi Module (1EA)



Extension Cable (1EA)

Specification & System Requirement

GVCi Specification

Memory	Flash Memory 2MByte / SRAM 256KByte
Operating Voltage	7~30VDC
Dimension / Weight	58 X 74 X 36 mm / 90g
Wireless protocol	Bluetooth 2.1 + EDR (2.4GHz)
Indicators	1 LED (Front)
Supported Protocols	CAN (High Speed, Low Speed, Single Wire) ISO-9141, ISO-9141-CARB, KWP-2000 SAE J1850 (VPWM,PWM) Melco Pull-Down

System Requirements (Tablet)

Display	1200X800 or higher
CPU	Intel Bay Trail -TZ3735F 64bit processor or later with greater performance
RAM	2 GB or more
Storage (C:)	15 GB or more free space
OS	Windows 10 (or later version)
Wireless protocol	Bluetooth 2.0 or higher

Connection to the vehicle



Locate the OBD2 vehicle side DLC socket near the driver's seat, generally under the dash panel but may found in different locations, and make connection by inserting the GVCI to the socket. If necessary, please use the extension cable for easier access to the vehicle side DLC.

LED Indication



[Blue] Illuminating:
GVCI is powered on but has not yet connected to the PC.

[Blue] Flashing
GVCI is connected to the PC



[Green] Flashing :
GVCI is trying to communicate with the vehicle or communication with the vehicle control system has been established.



[Yellow] Flashing :
GVCI internal software is being updated

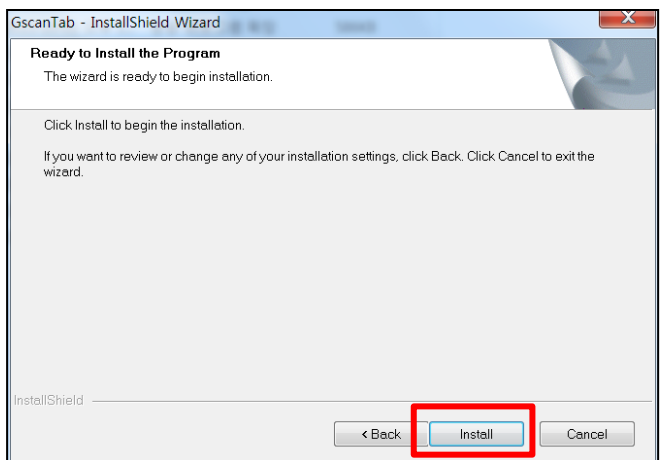
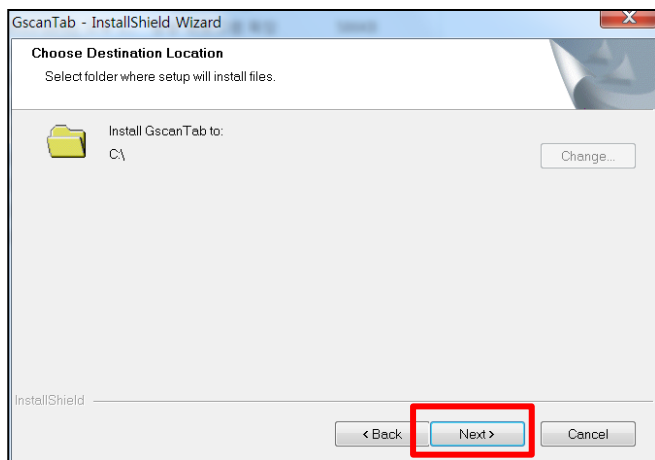
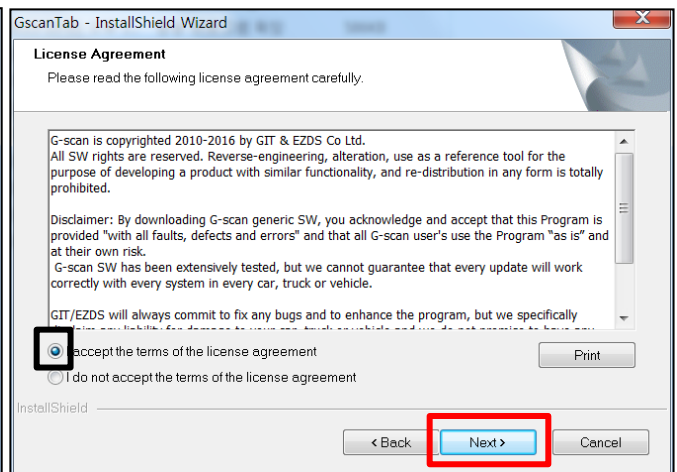
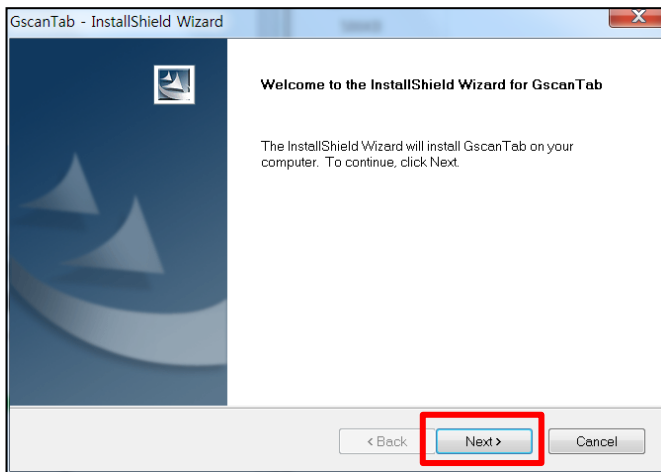
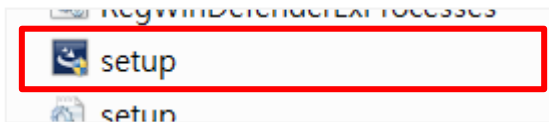
G-scan Tab Program Installation 1

Download the G-scan Tab installation file from the official website.
<http://G-scan.gitauto.com>



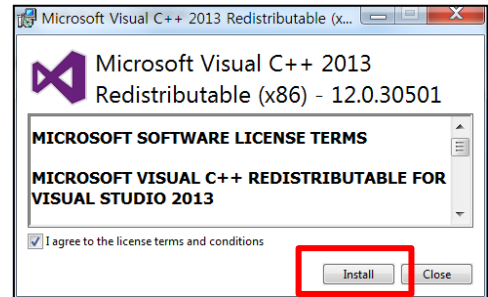
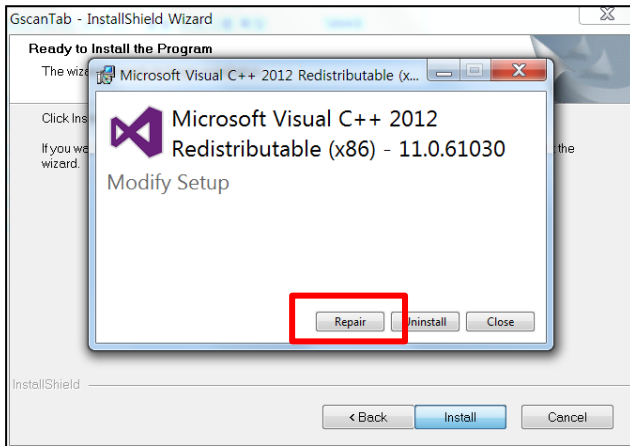
Unzip the downloaded file, and locate the “setup.exe” file among the extracted files in the folder.

Execute *setup.exe* and *G-scan Tab Installation Wizard* begins the installation process.

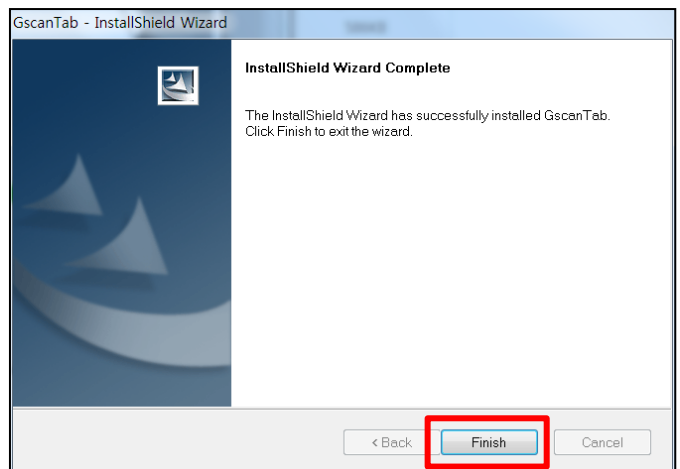
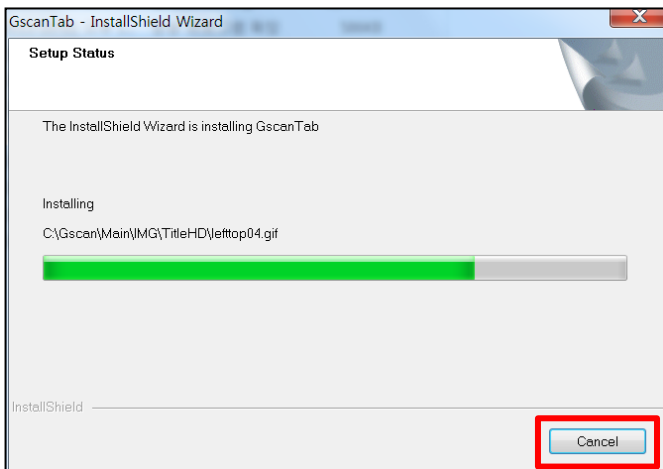


G-scan Tab Program Installation 2

Please make sure to install all the Microsoft Visual C++ Redistributable of 2012 and 2013 package components to prevent unusual operation of Installshield



InstallShield Wizard will carry on G-scan Tab software installation.

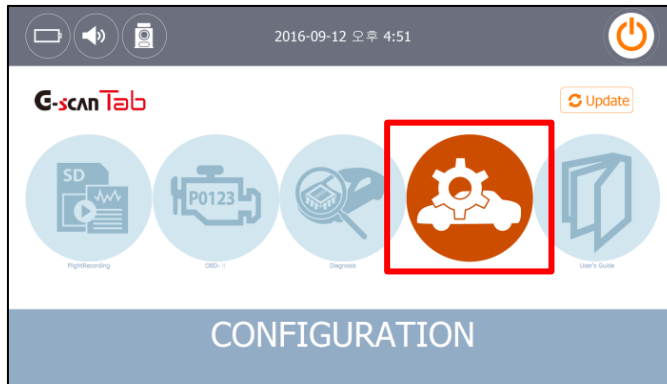


When software installation is complete, find the G-scan Tab icon on the desktop of the PC and run G-scanTab program

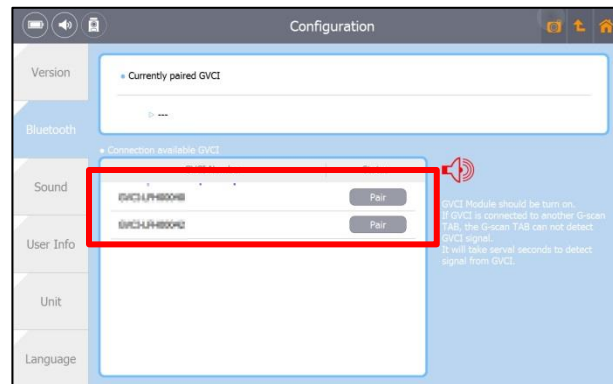
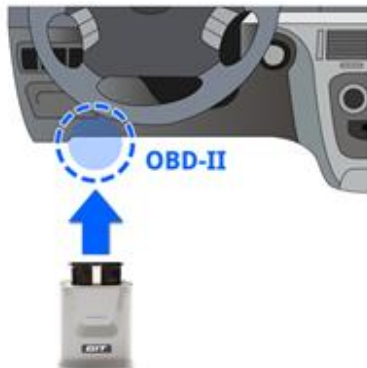


G-scan Tab Pairing

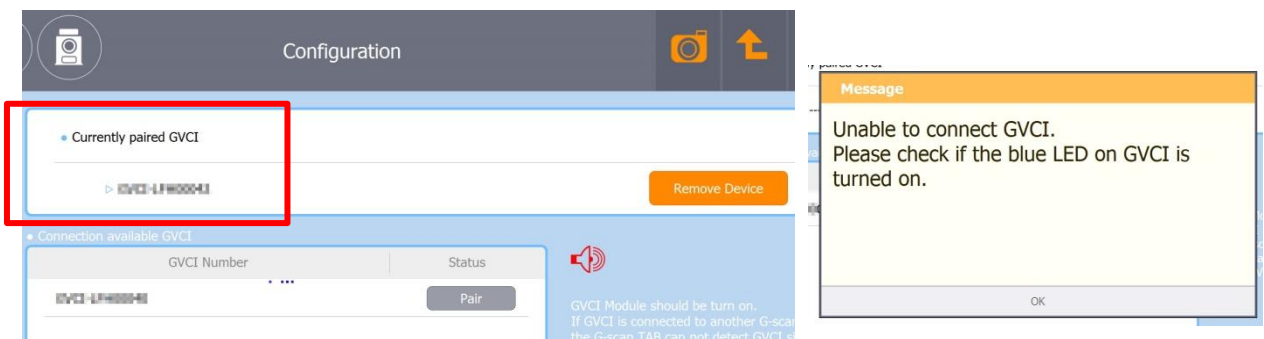
Select [Configuration] from G-scan Tab start menu and go to [Bluetooth] Tab.



Turn the GVC1 power ON by connecting it to a vehicle DLC socket, then the serial number of the GVC1 within the range is listed on the screen. Select the right one and the GVC1 will be paired with the PC.



Select the right one to get the GVC1 paired with the PC. The GVC1 paired with the PC is indicated in the upper section of the screen as Currently Paired GVC1. In case the communication between the PC and the GVC1 is lost by interference, an error message will appear. Please retry pairing within a closer distance.



Diagnostic Software Download

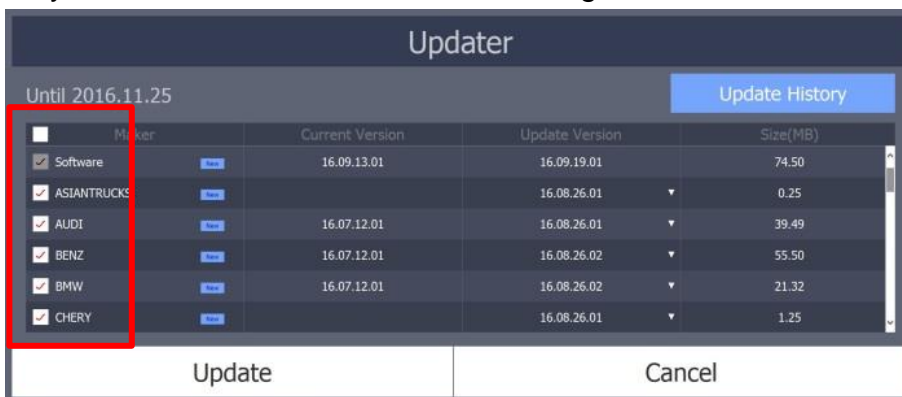
Select [Update] button from the G-scan Tab start menu to download diagnostic software from the server.



The diagnostic software named by the car makes that are downloadable from the server are checked and listed on the screen.

Select the car make names that need to be downloaded from the list and select [Update] button in the bottom.






If no car make names appear on the screen, please check the internet connection and contact your local distributor and check the registration status of the GVCI.













G-scan Tab Start Screen



Main Function Menu

Icon	Name	Description
	Flight Recording	Retrieves the saved screen capture image and flight record data files.
	OBD-II	Conducts generic diagnosis of Powertrain system for the OBD2 (EOBD) compliant vehicles.
	Diagnosis	Conducts the manufacture specific diagnostic functions including DTC analysis, Data analysis, Actuation test and various special functions.
	Configuration	Opens the configuration menu where software version, date and time set, language selection and various user settings can be reviewed and changed.
	User's Guide	Opens the on screen user's guide, where the simplified user's manual can be viewed.

Indicating Symbols

Indicator / Symbol	Name	Description
	Battery	Indicates the charging status of the battery.
 	Volume	Indicates speaker ON / Off status. Speaker volume can be adjusted in the configuration menu or the Windows control panel.
 	Bluetooth	Data connection status of GVCI with the PC White: No data being transmitted. Blue: Data being transmitted.
	Date & Time	Indicates date and time of the PC system.
	Power	Quit button that shuts down G-scan Tab program.
	Screen Capture	Screen capture button for saving the current screen display as an image file.
	Exit	Exit button that stops the current function or mode, or move back to the previous menu.
	Home Button	Home button that returns to the Start Screen.

Diagnostic Functions

Diagnosis

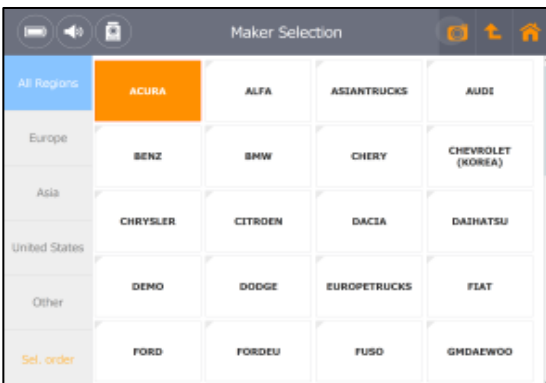
Run the vehicle diagnostic function from the G-scan Tab Start Screen by selecting [DIAGNOSIS] button



Maker Selection

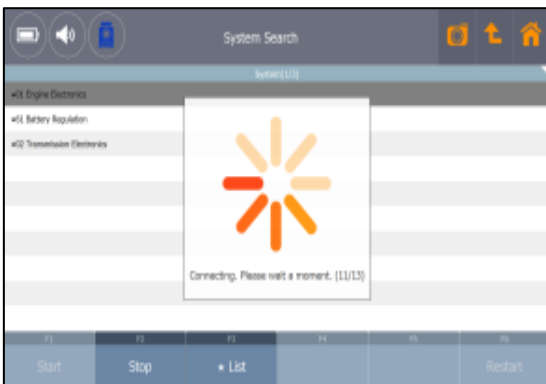
Make selections for the further steps according to the vehicle details.

The detailed menu structure for specifying the vehicle details may be different for each manufacturer, so please refer to the user's manual for more details.



System and DTC Auto Search

"System Search" option automatically checks all vehicle systems and reports fault codes, and provides access to advanced diagnostic functions available for each detected system.



Diagnostic Trouble Code

DTC read and erase are the basic of the basic functions for diagnosis. G-scan Tab provide 2-line DTC description that shows the long-text DTC descriptions in full, no more acronyms or erasing to fit in the limited space.

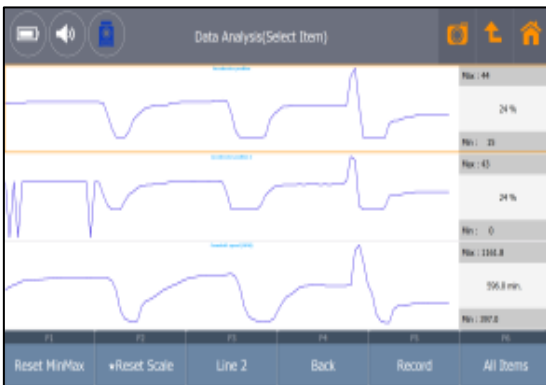


Diagnostic Functions

SENSOR	Value	Unit	SENSOR	Value	Unit
Rate of rotation test	Not running		Ambient air pressure	100	kpa abs
HC compressor torque	350	Nm	Battery voltage	1200	mV
HC compressor, refrigerant pressure	12000	kPa	Calculated efficiency of HO conversion	0.00	
Accelerator pedal, sensor voltage 1	751.4	mV	Calculated NOx concentration behind turbocharger	6	ppm
Accelerator pedal, sensor voltage 2	281.0	mV	Camshaft speed (RPM)	433.0	min
Accelerator pedal, switch position Bit 0	0000001		Charge air pressure sensor, unconditional voltage	3531.4	mV
Accelerator position	15	%	Charge air pressure specified value	3547	kPa
Accelerator position 2	13	%	Charge air pressure, actual value	3527	kPa
Air mass, actual value (mg/stroke)	120.7	mg/STROKE	Charge limit for service regeneration	40.00	g
Air mass, actual value	938	g/kWh	Charge limit over-charge	41.00	g

Data Analysis

As one of the basic diagnostic functions, G-scan Tab provides live data enabling users to monitor the system control unit's input and output side.



Data Graphing with Auto scale

Alpha-numerical value of live data can be switched to fast and responsive graph mode by a simple click. It instantly self-adjusts max and min scale helping users more accurately observe and compare the parameters.

The screenshot shows a yellow warning box that says "Don't Drive!" and "Fuel Injection Quantity 7.8 % Test End". Below it is a "Data Analysis" table:

Item Name	Value	Unit	Min	Max
ECU Execution Status Bit	OK (Unexecuted)		-	-
Engine Load Value	0.8	%	0.0	3.0
Engine Coolant Temperature	-16	°C	-40	-40
Air Fuel Ratio (λ) Value Bit	0.8	%	0.0	3.0

Actuation Test

Actuation test is another basic diagnostic functions that G-scan Tab provides. Users can check the control unit's operation by activating or deactivating the operation of an active component under control unit's command.

Function Name
DPR Forced Regeneration
Injector ID Code Verification
Injector Compensation
Injector Compensation(Replacing ECU)

Special Functions

In addition to the basic functions of DTC read/erase, Live Data, Actuation Test and ECU info, G-scan Tab provides various coding, learning, reset and Initializing functions.

G-scan Tab Warranty Period

Providing that this product has been installed and used as instructed in the user's manual, GIT will repair the GVCI module with new or reconditioned parts, free of charge for 1 (one) year from the date of original purchase in the even of defect in material and workmanship.

YOU ARE REQUIRED TO REGISTER G-SCAN AND USER INFORMATION TO G-scan WEBSITE IMMEDIATELY. GIT CO., LTD. HOLDS THE RIGHT TO REFUSE PROVISION OF ANY SERVICE FOR THE PRODUCT THAT HAS NOT BEEN REGISTERED.

G-scan Tab Warranty Void Conditions

This warranty only covers failures caused by defects in materials or workmanship, which may occur during normal use. It does not cover damage occurs during shipment or failures which may be caused by products, non-genuine parts or accessories not supplied by GIT, or failures resulting from act of god, alteration, accident, misuse, introduction of liquid material or any other foreign matter into the product, abuse, neglect, improper installation, maladjustment of consumer controls, improper maintenance, modification or service conducted by any one unauthorized by GIT.

G-scan Tab Limited Warranty

GIT SHALL NOT BE LIABLE FOR LOSS OF DATA OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGE RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

GIT's entire liability and your exclusive remedy under this warranty shall be limited to the replacement, or any defective parts or functions in the products, which is returned to GIT or its authorized local distributor, together with a copy of the purchasing receipt, during the aforementioned warranty period. Anything in the foregoing to the contrary notwithstanding, GIT shall have no obligation for any defects in the product resulting from your storage thereof, or for defects that have been caused by operation of the product other than on the operation manual or in environmental conditions other than those specified by GIT or by alteration, accident, misuse, abuse, neglect, mishandling, misapplication, installation, maladjustment of consumer controls, improper maintenance, modification or damage that is attributed to acts of God.

This limited warranty gives you specified legal rights, and you may also have other rights, which vary from country to country. The laws of Republic of Korea, without regard to its conflict-of-laws rules, will govern this Limited Warranty.

To obtain help or technical Assistance, please contact your local distributor.