

mega macs 42 SE



Quick Start Guide

en

QSMM42SEV5200EN0917S0
460 986-00 / 09.17

Table of Contents

1	About this Quick Start Guide	4
1.1	Reading the Manual	4
2	Safety Precautions	5
2.1	Safety Precautions – Risk of Injury	5
2.2	Safety Precautions for the mega macs 42 SE	6
3	Product Description	7
3.1	Delivery Contents.....	7
3.2	Intended Use.....	8
3.3	Using the Bluetooth Function	9
3.4	Scope of Functions	9
3.5	Front of Device.....	9
3.6	Connections of the mega macs 42 SE.....	11
3.7	DT VCI Connections	11
4	Installation of the Hella Gutmann Drivers Package	13
4.1	System Requirements of Hella Gutmann Drivers	13
4.2	Installation of the Hella Gutmann Drivers Package	13
5	Putting Into Operation	14
5.1	Charging the Battery	14
5.2	Switching on the Device	14
5.3	Entering Company Data.....	15
5.4	License Release	15
5.5	Switching Off the Device	15

6 Configuring the Device 17

6.1 Configuring the Bluetooth Adapter 17

7 Working with the Device 18

7.1 Symbols..... 18

7.2 Diagnostics 18

1 About this Quick Start Guide




The quick start guide comprises the most important information haben wir für Sie die wichtigsten Informationen in einer übersichtlichen Form zusammengefasst, um Ihnen den Start mit unserem Diagnosegerät mega macs 42 SE so angenehm und reibungslos wie möglich zu gestalten.

1.1 Reading the Manual




You can find the manual with detailed information about the use of your mega macs 42 SE on the homepage of Hella Gutmann **www.hella-gutmann.com/de/workshop-solutions/diagnose**. This page provides the current download versions of the manuals and quick start guides as well as other valuable product leaflets for optional accessories and products of Hella Gutmann, which can support you in your daily work.

2 Safety Precautions

2.1 Safety Precautions – Risk of Injury






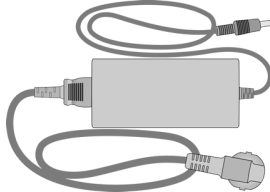


  	<p>When working on the vehicle, there is a risk of injury through rotating parts or rolling of the vehicle. Therefore observe the following:</p> <ul style="list-style-type: none">• Protect vehicle against rolling away.• Additionally place gear selector lever of AT vehicles to park position.• Deactivate the start/stop system to avoid an inadvertent engine start.• Connect the device to the vehicle only when engine is shut down.• Do not reach into rotating components when engine is running.• Do not run cables near rotating parts.• Check the high-voltage parts for damage.
---	--

2.2 Safety Precautions for the mega macs 42 SE

  	<p>To prevent incorrect handling and consequent injuries to the user or damage to the device, observe the following:</p> <ul style="list-style-type: none">• Only connect original mains supply to the power cord (supply voltage 12 V).• Protect the LC display and the device from prolonged exposure to solar radiation.• Protect the device and the connecting cable from hot components.• Protect the device and the connecting cables from rotating parts.• Regularly check the connecting cables/accessory parts for damage (destruction of the device due to short circuit).• Connect the device exclusively according to user manual.• Keep the device away from fluids such as water, oil or gasoline. The mega macs 42 SE is not waterproof.• Protect the device from strong impacts and do not drop it.• Do not open the device on your own. Only technicians authorized by Hella Gutmann are allowed to open the device. Warranty and guarantee will be rendered void at any case of unauthorized tampering of the device or if the protective seal is damaged.• Immediately contact Hella Gutmann or a Hella Gutmann trading partner in case of any malfunctions.
---	--

3 Product Description

3.1 Delivery Contents

Quantity	Designation	
1	mega macs 42 SE	
1	DT VCI	
1	Bluetooth adapter	
1	USB cable for connecting the DT VCI to the device	
1	USB cable for connection to a PC	
1 each	Power adapter and cable for the mega macs 42 SE	
1	Vehicle charging cable	
1	HGS data carrier	
1	Quick Start Guide	

3.1.1 Checking delivery contents


Please check the delivery contents upon receiving your device so that complaints can be issued immediately regarding any potential damage.

Proceed as follows to check the delivery contents:

1. Open the package supplied and check for completeness based on the delivery slip.

Should you identify any damage to the package, then open the package in the presence of the delivery service and check the device for hidden damage. Any transport damage to the package supplied and damage to the device shall be registered in a damage report by the delivery service.

2. Take the device out of the packaging.

	<p>CAUTION</p> <p>Danger of short circuit due to loose parts in or on the device</p> <p>Danger of destruction of the device/the automotive electronics</p> <p>Never put the device into operation if you suspect that there are loose parts in or on it. Please contact the Hella Gutmann repair service or a Hella Gutmann trading partner immediately in this case.</p>
---	--

3. Check the device for mechanical damage and shake it slightly to ensure that there are no loose parts inside.

3.2 Intended Use

The mega macs 42 SE is a mobile diagnostic device for detecting and rectifying faults in automotive electronic systems.

It uses a diagnostic interface to establish a connection to the automotive electronics and to provide access to descriptions of the vehicle system. A lot of this data is transferred to the device directly from the Hella Gutmann diagnostic database via online connection. Therefore, the device must be permanently online.

The device is not suitable for repairing electrical machines and tools or home electrics. Diagnostic devices from other manufacturers will not be supported.

If the device is used in a way not authorized by Hella Gutmann, the safety of the device may be influenced.

3.3 Using the Bluetooth Function

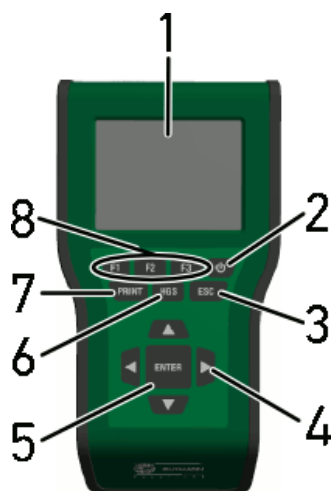
The terms of use of the Bluetooth function may be restricted or prohibited through law or corresponding legal regulations in certain countries.

Pay attention to the provisions in force in the respective country before using the Bluetooth function.

3.4 Scope of Functions

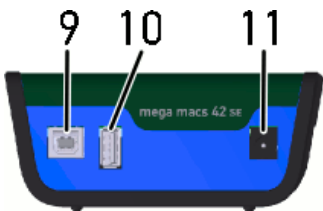
The range of functions of the mega macs 56 depends on the country, the licenses acquired, and/or the optionally available hardware. This documentation may therefore describe functions that are not available on the individual device. Missing functions can be enabled by acquiring a corresponding license subject to charge and/or additional hardware.

3.5 Front of Device



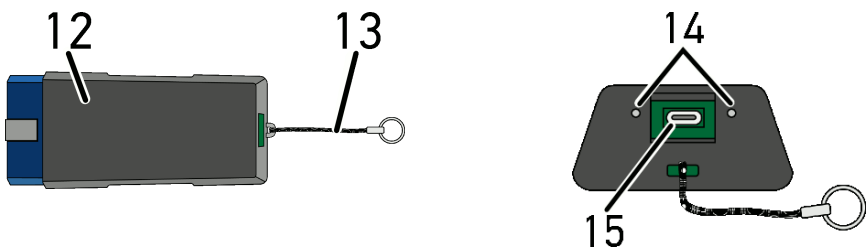
	Designation
1	LC display (liquid crystal colour display)
2	ON/OFF button Switch the device on and off.
3	ESC Finish or abort a function.
4	Arrow keys Navigate with the cursor in menus or functions.
5	ENTER Confirm a function, input or menu.
6	HGS Call up information on the communication parameters. In case of a complaint, Hella Gutmann Solutions GmbH requires this information to detect and repair the fault. Leave the HGS menu with ESC .
7	PRINT Here you can use various functions such as: <ul style="list-style-type: none">• Save screen shot• Print screen shot• The Print menu The driver package Hella Gutmann Drivers program must be installed on the PC.
8	Function keys Here you can start various functions such as: <ul style="list-style-type: none">• VIN search• Search criteria for vehicle identification• Connection help

3.6 Connections of the mega macs 42 SE



	Designation
9	USB device interface Use the USB device interface for data exchange between the PC and the device.
10	USB host interface The USB host interface (USB interface for short) can be used to connect external tools such as a printer or the DT VCI.
11	Power supply socket Power supply of the device and battery charge connection.

3.7 DT VCI Connections



	Designation
12	DT VCI for diagnostic port in the vehicle
13	Retaining strap for mounting e.g. a lanyard
14	Green and blue indicator lamp (LED) The indicator lights show the operating condition of the DT VCI.
15	Micro USB interface for USB cable to USB interface of the PC

3.7.1 Meaning of the Flashing Frequencies

Status display		Meaning
Blue LED	Green LED	
LED switched off.	LED switched off.	<ul style="list-style-type: none">• Software inactive/defective.• No voltage present.• DT VCI defective.
LED flashes quickly (1x per sec.).	LED switched off.	<ul style="list-style-type: none">• Update failed.• Update invalid.• DT VCI defective.
LED flashes slowly (every 3 sec.).	LED switched off.	<ul style="list-style-type: none">• Update failed.• Update invalid.• DT VCI defective.
LED flashes slowly (every 3 sec.).	LED permanently on with regular brief interruptions.	DT VCI ready for operation.

4 Installation of the Hella Gutmann Drivers Package

4.1 System Requirements of Hella Gutmann Drivers

- Microsoft Windows 7 or higher
- Windows administrator rights


4.2 Installation of the Hella Gutmann Drivers Package

To obtain all the data about the related vehicle provided by Hella Gutmann, the device requires a permanent online connection and the installed driver package Hella Gutmann Drivers. To keep the connection costs down, Hella Gutmann recommends a DSL connection and a flat rate.

1. Install the Hella Gutmann Drivers on the office or repair shop PC.

The driver package Hella Gutmann Drivers program is on the supplied HGS data carrier.

2. Connect the device to a web-compatible PC.

Once the connection symbol  in the top symbol bar changes from black to green, the online connection has been set up successfully and is active.

5 Putting Into Operation

This section gives a description of how to switch on and off the device as well as all the necessary steps for the first use of the device.

5.1 Charging the Battery


Prior to initial start-up of the device, charge the battery for at least 8 to 10 h while the device is switched off.

Proceed as follows to charge the battery:


1. Insert the voltage supply plug into the device's socket.
2. Insert the power plug into the plug socket.

The battery is charged.

5.2 Switching on the Device


	<p>NOTICE</p> <p>At the first start-up of the device and after every software update, you need to confirm the general terms and conditions (GTC) of Hella Gutmann Solutions GmbH. Otherwise, certain device functions will be unavailable.</p>
---	---

To switch on the device:

1. Switch on the device with .
- The general terms and conditions appear.
2. Read the general terms and conditions and confirm them at the end of the text.
- An info window appears.
3. Confirm the info window with **ENTER**.
- The main menu appears.

Now you can start working with the device.

5.3 Entering Company Data

	NOTICE You cannot start working with the device after having entered the company data.
---	--

Proceed as follows to enter the company data:


1. Select and confirm **>Name 1<**.
2. Delete the entry with **F1** where necessary.
3. Click ▲ to open the virtual keypad.
4. Enter the company name.
5. Close the virtual keypad with **ESC**.
6. Confirm the input with **ENTER**.

The input is saved automatically.

7. Repeat steps 2–6 to make more inputs.

Now you can start working with the device.

5.4 License Release

	NOTICE In order to use the full scope of the purchased licenses you need to connect the device to the HGS server prior to the first start-up.
---	---

Proceed as follows to connect the device with the HGS server:

1. Select **Contracts** under **> Settings** in the main menu.
2. Select **>License<**.
Data is downloaded. Purchased licences are displayed.
3. Switch the device off and on again.

Now you can start working with the device.

5.5 Switching Off the Device

Proceed as follows to switch off the device:

1. Switch off the device with .

Switching Off the Device

2. Observe the confirmation prompt.
3. Switch off the device with **ENTER**. Abort the procedure with **ESC**.
The device is switched off.

6 Configuring the Device


Configure all interfaces and functions under **>Settings<** in the main menu.

6.1 Configuring the Bluetooth Adapter ---

Here you can configure the Bluetooth adapter.

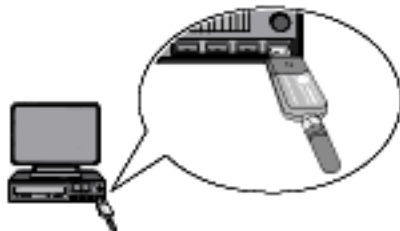
The integrated Bluetooth module enables a wireless connection to a PC on which the driver package Hella Gutmann Drivers is installed.

6.1.1 Searching for the Bluetooth Adapter

	<p>NOTICE</p> <p>If the device has already been delivered with a Bluetooth adapter then both devices are already assigned to each other ex works.</p>
---	--

Proceed as follows to search for the Bluetooth adapter:

1. Insert the Bluetooth adapter into the USB port on the PC.



2. Select and confirm **Bluetooth** under **> Settings** in the main menu.
3. Select and confirm **>Bluetooth adapter search<**.

Connection is established and the search for a Bluetooth adapter is in progress.

The message *Bluetooth adapter found and determined as remote station.* appears if the connection to the Bluetooth adapter via the device is established successfully.




4. Close the info window with **ENTER**.

Bluetooth has been found and is being configured.

7 Working with the Device

7.1 Symbols ---

7.1.1 Symbols in the Header

Icons	Designation
	Battery charging status The battery state of charge is indicated here. <ul style="list-style-type: none"> • Green symbol: battery is fully charged. • Symbol flashing green-white: battery is being charged. • Symbol partly red: battery must be charged.
	Vehicle connection status Here you can view the active and inactive connections between the PC and the DT VCI. The symbol shows the active connection. <ul style="list-style-type: none"> • Red symbol: connection to DT VCI is inactive. • Green symbol: connection to DT VCI is active.
	PC connection status Here you can view the active and inactive connections between the device and the PC. The symbol shows the active connection. <ul style="list-style-type: none"> • Black symbol: no connection is active. • Green symbol: connection is active.

7.2 Diagnostics ---

7.2.1 Preparing Vehicle Diagnostics

The selection of the correct vehicle is a basic precondition for trouble-free vehicle diagnostics. The device provides assistance to simplify the selection, e.g. indicating the installation position of the diagnostic port or vehicle identification through VIN.

The following ECU functions are possible under **>Diagnostics<** in the main menu:

- Trouble code reading
- Parameter readout
- Actuator test
- Service reset
- Basic setting
- Coding
- Test function

Proceed as follows to prepare vehicle diagnostics:

1. Select the requested vehicle under **>Diagnostics<** in the main menu.
The device automatically switches to the diagnostic selection.

**CAUTION**

Pulling off of the DT VCI when actuating the clutch

Risk of injury or material damages

Proceed as follows before startup:

1. Apply the parking brake.
2. No gear is engaged.
3. Regard the window with information and instructions.

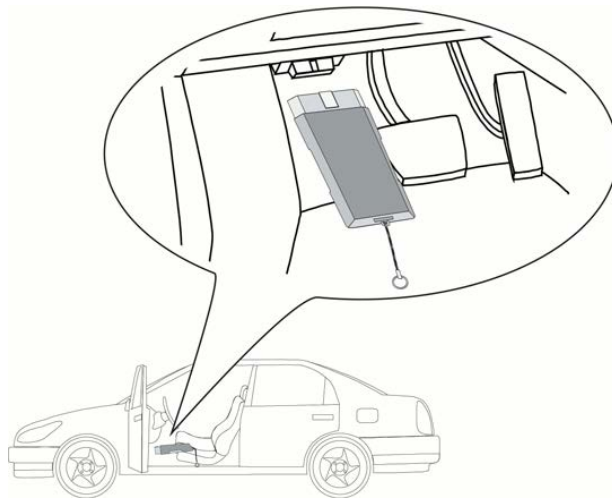
**NOTICE**

Danger of short circuit and voltage peaks when connecting the DT VCI

Danger of destruction of automotive electronics

Switch off ignition before connecting the DT VCI to the vehicle.

2. Insert the DT VCI into the vehicle's diagnostic port.



Both LEDs of the DT VCI flash. The DT VCI is ready for operation.
Now you can select the type of diagnostics.

7.2.2 Performing Diagnostics

Proceed as follows to perform diagnostics:

1. Select the requested vehicle under **>Diagnostics<** in the main menu.
The device automatically switches to the diagnostic selection.



CAUTION

Pulling off of the DT VCI when actuating the clutch

Risk of injury or material damages

Proceed as follows before startup:

1. Apply the parking brake.
2. No gear is engaged.
3. Regard the window with information and instructions.



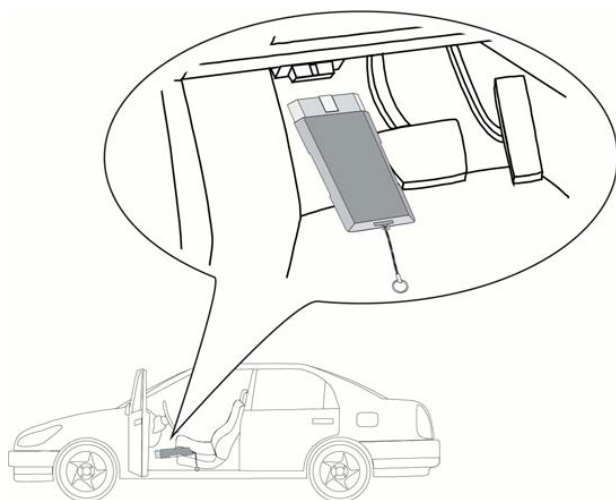
NOTICE

Danger of short circuit and voltage peaks when connecting the DT VCI

Danger of destruction of automotive electronics

Switch off ignition before connecting the DT VCI to the vehicle.


2. Insert the DT VCI into the vehicle's diagnostic port.



Both LEDs of the DT VCI flash. The DT VCI is ready for operation.

3. Select the requested diagnostics.
4. Observe the information window, note window and instruction window as applicable.

The diagnostic procedure between the device and the DT VCI takes place via Bluetooth.

Connection to the DT VCI is established if the symbol  changes from black to green.

5. Repair the vehicle. Then delete the saved trouble codes from the vehicle system.

HELLA GUTMANN SOLUTIONS GMBH

Am Krebsbach 2

79241 Ihringen

GERMANY

Phone: +49 7668 9900-0

Fax: +49 7668 9900-3999

info@hella-gutmann.com

www.hella-gutmann.com

© 2017 HELLA GUTMANN SOLUTIONS GMBH

1 STUECK/PIECE(S)



9XQ 460 986-001

Made in Germany