

STREETEC autoleveling

Air Suspension Control System

English



AN 1010 - EN - R1.0

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English

Installation Guide

Version AN 1010 - EN - R1.0

Prologue



Dear Customer,

congratulations on the purchase of your STREETEC autoleveling. Read the following instructions carefully and follow them to prevent possible damage. We assume no liability for damage caused by disregarding the instructions and improper use. Scan the QR code to access the latest operating instructions and further information about the product.

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Safety instructions

- Never install the STREETEC autoreleveling with the ignition switched on. Remove the ignition key. After switching off the ignition, wait 5 minutes until all electrical consumers are switched off.
- Make sure that the cables and hoses do not touch or rub against moving parts or metal parts. If malfunctions occur due to cables and hoses that are not attached or if they are not installed properly, the manufacturer's warranty will be voided.
- To prevent injury during installation, wear personal protective equipment.
- Any manipulation of the product, such as on the housing, is not permitted. Such interference will void the manufacturer's warranty of STREETEC autoreleveling.
- Work on electronic and pneumatic components of the vehicle as well as work on the STREETEC autoreleveling must be carried out by trained specialist personnel.
- Keep the housing and all components of the STREETEC autoreleveling as dry and free of dirt as possible.
- Make sure that the pneumatic and electrical characteristic values are observed.

General information

The STREETEC autoreleveling is used to control the vehicle height of motor vehicles with aftermarket air suspensions.

These instructions provide important information on handling the STREETEC autoreleveling. A prerequisite for safe operation is compliance with all specified safety notes and instructions.

Read these instructions carefully before installation so that you can benefit from all the technical advantages of the system in the long term. Only carry out the installation if you have read and understood these installation guidelines. **We recommend installation by a specialist workshop.**

The STREETEC autoreleveling was developed and produced with great care. Therefore, it should also be installed with care. If you follow the instructions listed, you will prevent the warranty from expiring prematurely and you will continue to enjoy your system for years to come.



Use the STREETEC autoreleveling exclusively for aftermarket air suspensions.



In the event of a defect, do not attempt to repair the device yourself. Leave this to the manufacturer.

ECU

The ECU (Fig. 1) of the STREETEC autoleveling consists of a high-quality aluminum housing with a high-gloss acrylic glass cover. We recommend handling the ECU carefully during installation so as not to impair its optical properties.

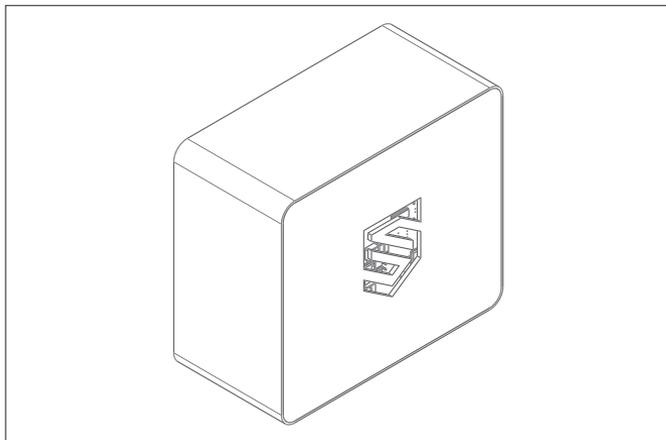


Abb. 1: STREETEC autoleveling - ECU

The ECU is designed to be mounted in the vehicle in several ways:

- lying flat with completely hidden wiring
- screwed to a holder (a holder is included in the scope of delivery with which the ECU can be mounted upright).

ECU



The ECU must be firmly screwed into the vehicle. Otherwise, calibration may not be carried out accurately and control problems may occur!

1. Select a mounting location for the component. The mounting location should be dry and allow the ECU to be held securely.
2. Check that you can guide the cable harnesses to the intended location.
3. Use the supplied drilling template to drill the holes if the ECU is to be mounted lying flat.
4. Connect the wiring harnesses before fixing the ECU. This will make the work a little easier.
5. Then attach the ECU directly to a surface or to the bracket.



In the scope of delivery you will find a drilling template for easy positioning and mounting of the ECU!

Technical data - ECU

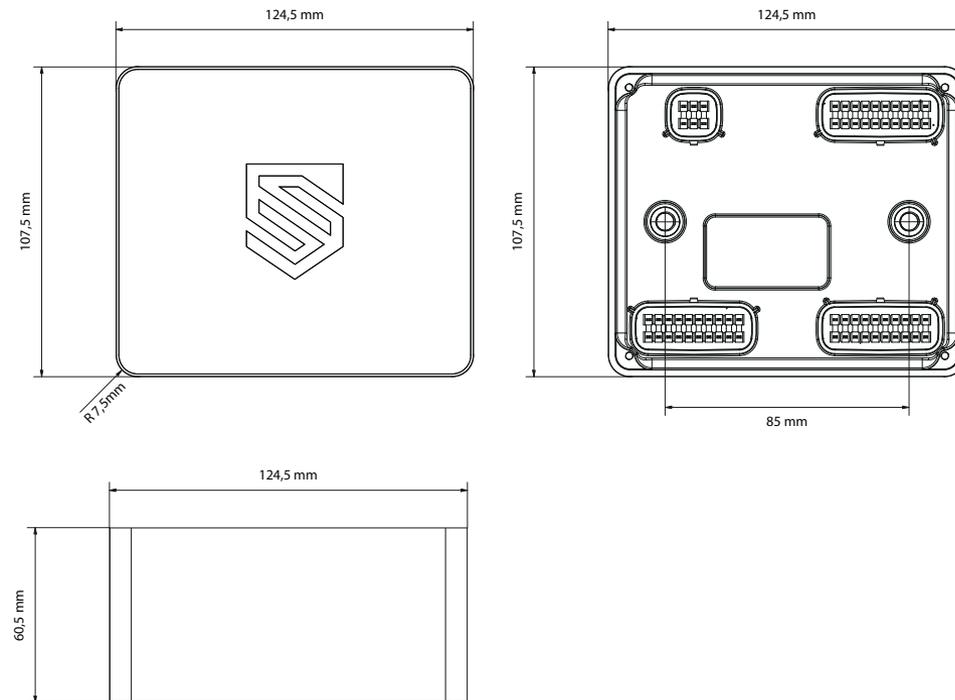
Product details

Product	STREETEC autoleveling - ECU
Item number	2013 0 0004
Dimensions (L x W x H)	124,5 mm x 107,5 mm x 60,5 mm
Weight	363 g

Elektrische Details

Rated voltage	12V
Current (without display)	50mA
Current (with display)	300mA
max. current (with controlled valves)	10A

Dimensions - ECU



Touchscreen

The control panel (touch screen, Fig. 2) of the STREETEC autoreleveling consists of a highquality aluminum housing with integrated neodymium magnets.

With the help of the integrated magnets, the control panel can be easily attached to all magnetic parts in the vehicle.

The touchscreen has a USB-C port for connecting to the harness.

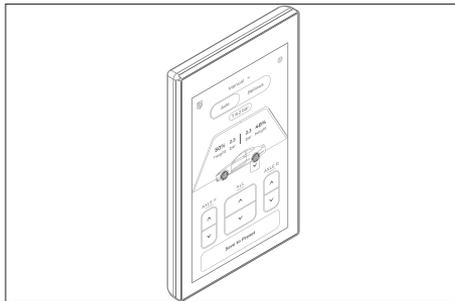


Abb. 2: STREETEC autoreleveling - Touchscreen



The USB-C port only works when the plug is inserted the right way round. If the control unit indicates a communication error, the plug must be rotated! Optionally, the control panel can be connected with the supplied angled USB-C plug. In this case, the connection direction is irrelevant.

The touch screen of the STREETEC autoreleveling has numerous technical innovations that give the system a very special value!

- The capacitive touchscreen works according to the same principle as a smartphone. Commands are only made via touch without pressure.
- The system supports multi-touch mode. This allows different functions to be executed simultaneously or in combination.
- A haptic feedback creates the impression of pressing real keys.
- Dimming when the driving lights are on increases safety when driving at night.
- The user interface is individually configurable for up to 3 different users.

Technical data - Touchscreen

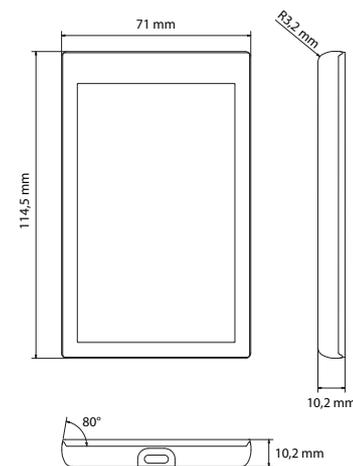
Product details

Product	STREETEC autoreleveling - Touch Pad
Item number	2013 0 0003
Dimensions (L x W x H)	114,5 mm x 71 mm x 10,2 mm
Weight	135 g

Elektrische Details

Nominal voltage	5V
max. current	500 mA

Dimensions



valve4

The STREETEC valve4 valve block (Fig. 3) has been designed for clean installation and maximum reliability.

The valve4 can fill and vent 4 compressed air circuits and is equipped with G 1/4" connections. The valve4 is designed for maximum flow, pressures up to 14 bar and millions of switching cycles. Everything is integrated in one compact unit. With an overall size of approx. 125 x 55 x 80 mm, the valve block is ideal for all air suspensions.

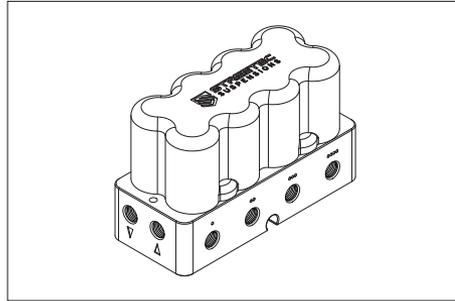


Abb. 3: STREETEC valve4



The proven mounting of the valve4 valve block is installation inside the vehicle. If installation outside the passenger compartment is desired, the installation location should be selected so that the valve4 is protected from splash water and moisture.

1. Decide in which direction you want to lead the cable out of the valve block. By removing the base plate (Fig. 4), the cable can be positioned accordingly (Fig. 5) and fixed in place.

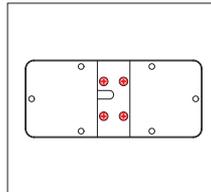


Abb. 4: Base plate

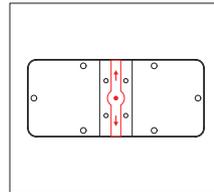


Abb. 5: Cable routing

valve4

2. Position the valve4 at the desired installation location. Make sure that the valve4 valve block can be securely fixed at the selected location.



Do not mount the valve4 overhead! Proper mounting of the valve block prevents water from settling in frost-sensitive areas. In case of incorrect mounting, the proper function of the STREETEC autoleveling cannot be guaranteed.

3. Mount the valve block using the mounting kit provided. If the mounting surface is not flat, add shims or a spacer to level the surface (Fig. 6). In this case, additional mounting material may need to be purchased.

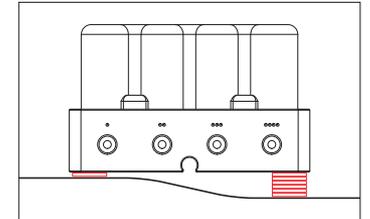


Abb. 6: Compensation mounting surface



In the scope of delivery you will find a drilling template for easy positioning and mounting of the valve4 valve block!

Technical data - valve4

Product details

Product	STREETEC autoleveling - valve4
Items number	9909 2 0204
Dimensions (L x B x H)	52 mm x 123 mm x 75 mm
Weight	1150 g

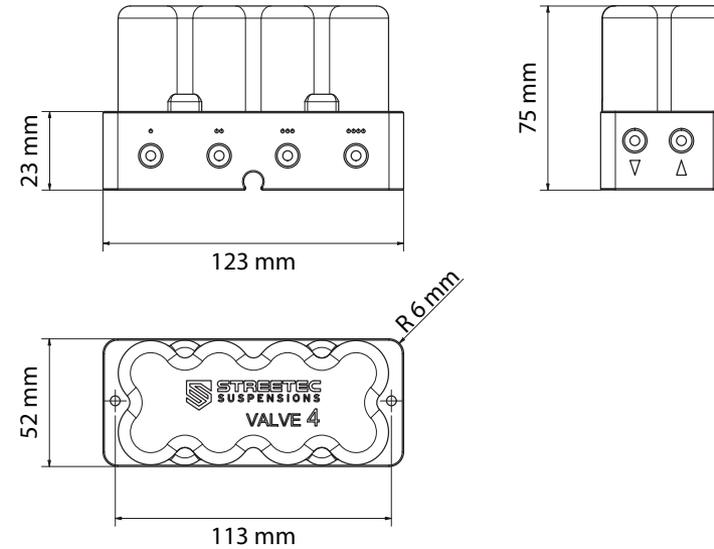
Electrical details

Rated voltage	12V
Max. current	4A

Pneumatic details

Operating pressure	max. 14 bar
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Dimensions - valve4



Water separator

The air generation kit compressors absorb moisture from the outside air. This moisture thus enters the air tank, where it settles. The STREETEC autoleveling system is supplied with a water separator that greatly reduces this moisture in the system and protects the system from corrosion and moisture damage. This also reduces the risk of moisture entering the valve block to a minimum



The tanks must nevertheless be drained regularly to eliminate the risk of residual moisture in the system! For this purpose, please install the tank's vent valve with a hose leading out of the vehicle interior to prevent moisture damage to other components caused by the tank's venting. If this is not possible, place a highly absorbent material (e.g. microfiber cloth) under the opening of the drain valve.

Please observe the following installation guidelines:

1. Mount the water separator in the correct flow direction. The arrow on the water separator indicates the flow direction and must point from the tank to the valve block (Fig. 7). If you decide not to mount the filter directly on the tank, run the required hose from the tank to the water separator and the hose from the water separator with the appropriate connections to the valve block.

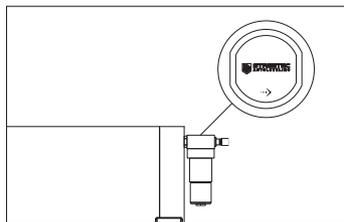


Abb. 7: Flow direction

Water separator

2. The water separator used in this system is a manually vented water separator and must be emptied regularly. This ensures that the drying always functions properly and that no water enters the system. In this way, failures of components, such as the valve block, can be avoided. Use the venting button (Fig. 8) on the bottom of the water separator for venting. When venting the water separator, use a small container or a highly absorbent material (e.g. microfiber cloth) to collect the condensation water.

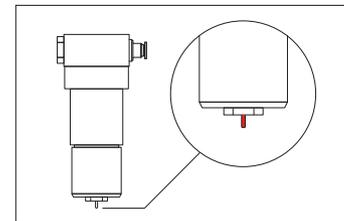


Abb. 8: Venting head

3. Make sure that the filter is mounted in a vertical position. Do not install the filter upside down or at an angle (Fig. 9 - 12).

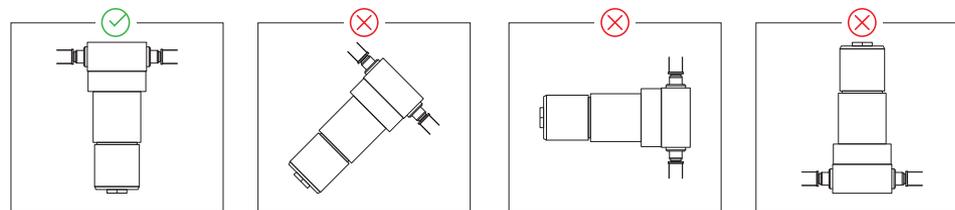


Abb. 9 - 12: Installation position water separator

Technical data - Water separator

Product details

Product	STREETEC autoleveling - Water separator
Item number	9909 2 0363
Dimensions (L x W x H)	45 mm x 41 mm x 140 mm
Weight	170 g

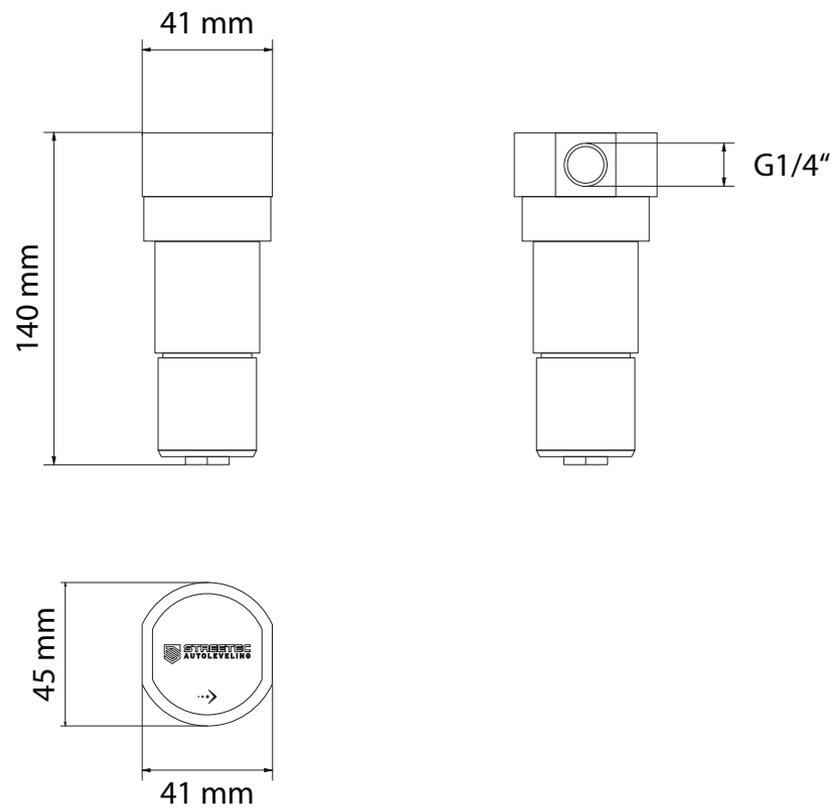
Electrical details

Rated voltage	12V
Max. current	500mA

Pneumatic details

Operating pressure	max. 12 bar
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Dimensions - water separator



Pressure sensors

The pressure sensors (Fig. 13) of STREETEC autoleveling are extremely robust sensors for the automotive sector and are designed for a pressure range from 0 to 16 bar. They have a G1/4" thread and are equipped with a seal so that they can be installed without additional sealant. (Fig. 13)

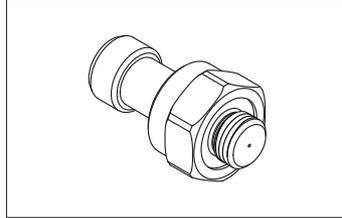


Abb. 13: Pressure sensors

5 pressure sensors are supplied with the STREETEC autoleveling:

- 4 Sensors for the pressures in the air bellows
- 1 Sensor for tank pressure

The sensors for the air bellows can be integrated into the system in various positions:

1. Mounting directly in the valve block (Fig. 14)
2. Mounting in the optional pressure sensor block (Fig. 15))
3. Mounting in the supply line to the air bellows with optional T-fittings.

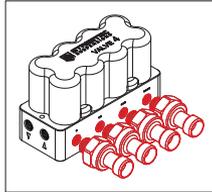


Abb. 14: Valve block

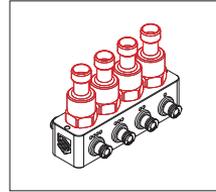


Abb. 15: Sensor block



We do not recommend mounting in the supply line and should only be done in exceptional cases. The T-fittings for mounting would have to be purchased separately in this case. (Part number: see component list page 68-69)

Pressure sensors

The sensor for the tank pressure can also be mounted in various ways:

1. Mounting directly in the side connection of the valve block (Fig. 16)
2. Mounting directly to the air tank (Fig. 17))

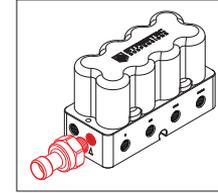


Abb. 16: Valve block

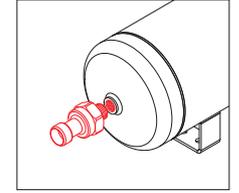


Abb. 17: Air tank



When mounting the sensor on the tank, make sure that the pressure sensor is installed in the upper area of the tank. Also make sure that the electrical connection on the pressure sensor does not point downwards (Fig. 5). Otherwise, the sensor may be damaged by condensation water settling in the tank.

3. hidden mounting on a hose leading away from the air tank or valve block.



Mounting on a hose leading away from the air tank or valve block is not recommended and should only be done in exceptional cases.

Technical data - Pressure sensors

Product details

Product	STREETEC autoleveling - pressure sensors
Item number	9909 2 0204
Dimensions (L x W x H)	114,5 mm x 71 mm x 10,2 mm
Weight	44 g

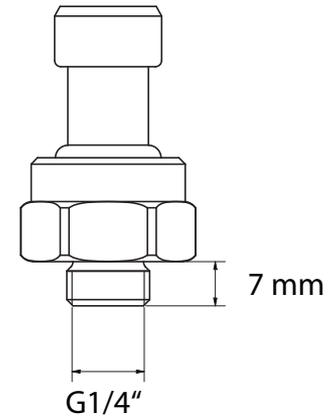
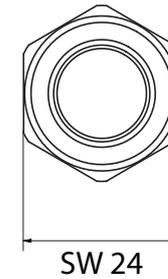
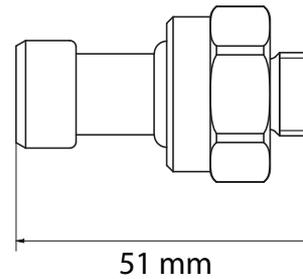
Electrical details

Nominal voltage	5V
max. current	30 mA

Pneumatic details

Operating pressuremax	max. 16 bar
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Dimensions - Pressure sensors



Height sensors

Height sensors (Fig. 18) should be installed with care. The goal is to use as much sensor range as possible to achieve maximum accuracy of height regulation. However, the sensors must always be operated within the approved operating range (Fig. 19).

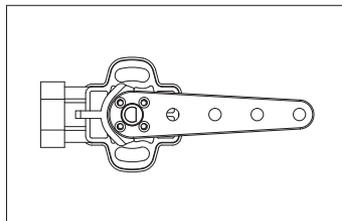


Abb. 18: Height Sensors

Determine the mounting location of the height sensor:

1. Select a stable attachment point on the car body.
2. The sensor can be mounted in any direction as long as, in the center position of the sensor arm, the flattened side of the sensor shaft faces the opposite side of the connector. The height sensors are shipped in position A (Fig. 20). Remove the sensor arm to rotate it to position B (Fig. 21) or C (Fig. 22). If possible, mount the sensor in position A or B so that the arm is opposite or rotated 90 degrees from the port. If this is not possible, make sure that the connection cable cannot come into contact with the sensor arm.

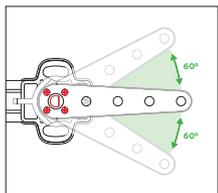


Abb. 19: Working area

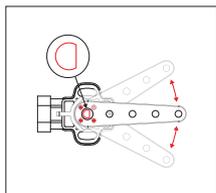


Abb. 20: Position A

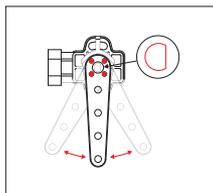


Abb. 21: Position B

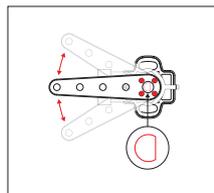


Abb. 22: Position C

Height sensors



Ideally, mount the sensors in the same place on the driver's and passenger's sides of the vehicle in mirror image. This ensures that the sensor area is as equal as possible on each side.

3. Try to find a mounting location where the sensor is directly above the potential mounting point of the height sensor's coupling rod. This mounting point is usually on a suspension control arm. On most vehicles, it will be necessary to fabricate a bracket to put the sensor and the coupling rod mounting point in the correct position.
4. Make sure that the sensor and the sensor arm have sufficient distance to chassis parts, the wheels and other moving parts. It is important to ensure that this distance is maintained even when the wheels are fully turned.
5. Furthermore, make sure that the sensors and the cables have sufficient distance from hot vehicle components.
6. Make sure that the attachment points are suitable for the entire travel of the trolley/vehicle.
7. Always try to use original mounting points and holes for mounting the sensor and coupling rod.



We expressly recommend performing the necessary work on a lifting platform and with the aid of a gear jack. If a jack is used, it is to be expected that the work will be significantly more difficult and will not lead quickly to success!

Height sensors

Selecting the sensor position

1. Attach the sensor to the vehicle and place the sensor arm in the center position. Disconnect the air line from the air bellows and raise the suspension to the lower end stop of the chassis using a gear jack. Measure the distance [A] from the selected attachment point of the coupling rod (Fig. 23). Make sure that the attachment points are suitable for the entire travel distance of the trolley/vehicle.

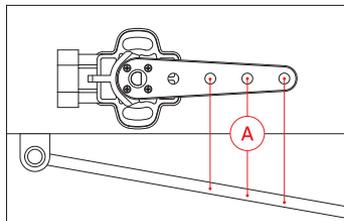


Abb. 23: Coupling rod attachment point

2. Reconnect the air line and apply enough air pressure to the air bellows until the landing gear is at the upper end stop. Now measure the distance [B] from the sensor arm to the selected attachment point of the coupling rod again (Fig. 24). The difference between the two measured values gives the maximum travel [C].

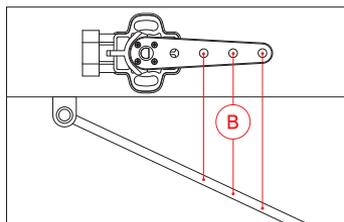


Abb. 24: Coupling rod attachment point

$$C = B - A$$

Height sensors

Selecting the correct mounting hole for the coupling rod in the sensor arm.

The maximum angle for the height sensor is 120 degrees. Selecting the correct mounting hole ensures that this value is not exceeded. The selection of the correct mounting hole (Fig. 25) is made using this table.

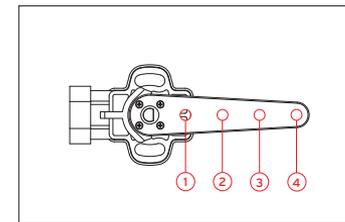


Abb. 25: Sensor arm mounting holes

Hole	min. path C [mm]	max. path C [mm]
1	18	30
2	30	52
3	52	80
4	80	120

Height sensors

Adjusting the length of the coupling rod

1. Using a gear jack, move the suspension to the center position of the entire travel range and the sensor arm to the center position of the working range. Now measure the distance [D] between the selected mounting hole and the mounting point of the coupling rod (Fig. 26).

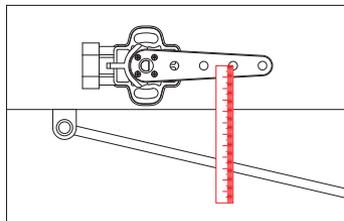


Abb. 26: Sensor arm length

2. Shorten the threaded rod of the coupling rod. The length of the threaded rod must be 40 mm less than the distance measured in point 1 (Fig. 27).

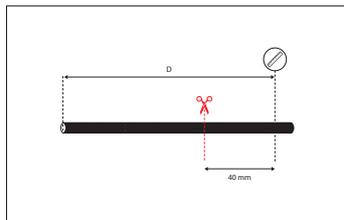


Abb. 27: Shortening the threaded rod

3. Shorten the rubber cover on the threaded rod. The length of the rubber cover must be 55 mm less than the distance [D] measured in point 1 (Fig. 28).

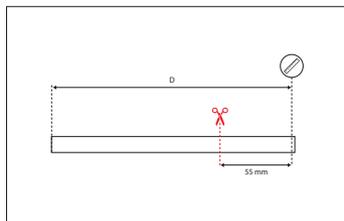


Abb. 28: Sensor arm middle position

Height sensors

4. If you do not have a tap available for deburring the threaded rod, screw a nut onto the threaded rod before cutting the rod. Use the nut to deburr the end of the rod (Fig. 29).

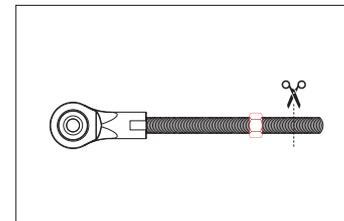


Abb. 29: Marking the intersection

5. Screw the threaded rod into both heads of the coupling rod about ten turns deep. This gives you an adjustment range of about +/- 10 mm in length for any correction that may be necessary later. (Fig. 30)

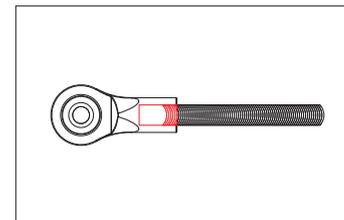


Abb. 30: Screwing in the threaded rod

6. Mount the coupling rod on the sensor arm and on the attachment point on the suspension. Pay attention to the angle between the coupling rod and the sensor arm (Fig.31). This may be a maximum of 15 degrees and can be corrected using spacers at the attachment point.

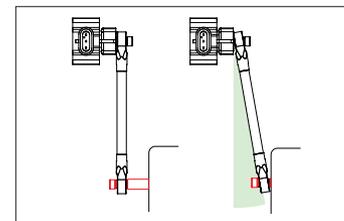


Abb. 31: Coupling rod angle

Height sensors

Checking the traverse path

1. After you have installed the sensors at all four wheel positions, you can check the working area with the sensor tool in the control unit. Proceed carefully here so that no damage occurs to the height sensors. Ideally, you should carry out the tests in the first step on the lifting platform and with the aid of the transmission jack.

The maximum voltage range of the sensors in the operating range is between 0.5 and 4.5 V. These values must not be exceeded or undershot either when the chassis is completely raised or completely lowered. Otherwise, the position of the sensors, the coupling rods or the length of the coupling rods must be revised again.

Technical data - Height sensors

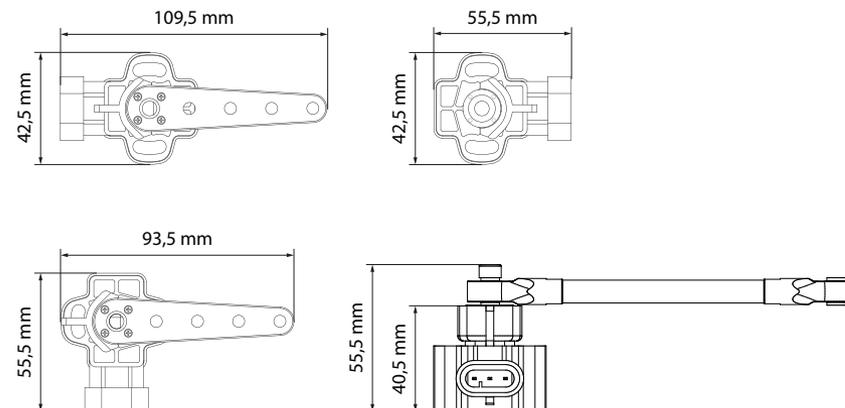
Product details

Product	STREETEC autoleveling - Height sensors
Item number	9909 2 0027
Dimensions (L x W x H)	109,5 mm x 42,5 mm x 40,5 mm
Weight	55 g

Elektrische Details

Normal voltage	5V
max. current	30 mA

Dimensions



Installation cable set

The wiring harness can be routed in or under the vehicle. In any case, make sure that all parts of the wiring harness are protected from abrasive edges and heat sources.



Make sure that the cables are laid properly.



Disconnect the starter battery before installing the cable set.

1. Connection of the AirCU, valve block and compressor

- Connect the wiring harness to the ECU.
- Connect the plug of the valve block to the designated plug of the main wiring harness.
- Strip the insulation from the compressor cables (red/black - 6 mm²) and the counterparts on the main wiring harness (red/black - 6 mm²).
- Connect the stripped compressor cables to the stripped compressor connection cables of the main harness; use the supplied shrink butt connectors for this purpose.



Remove all fuses of the STREETEC autoleveling when bridging the vehicle or welding on the vehicle. Failure to do so could result in damage to the system.

Installation cable set

2. Connection of the wiring harness to the battery and vehicle ground

Ground connection cable (black - 1.5 mm²) for ECU and valve block.

- Strip the insulation from the cable.
- Connect the cable with the supplied ring cable lug.
- Attach the ring cable lug to a suitable ground point on the vehicle (observe manufacturer's specifications).

Battery connection cable (red - 1.5 mm²) for AirCU and valve block

- Strip the insulation from the cable.
- Strip the insulation from both cable ends of the smaller of the two fuse holders supplied (1.5mm²).
- Connect the cable of the main harness with the supplied shrink joint connector and the cable of the fuse holder.
- Connect the other end of the fuse cable to the supplied ring terminal.
- Connect the ring terminal to the positive (+) terminal of the battery.

Installation cable set

Ground connection cable (black - 6 mm²) for compressor

- Strip the insulation from the cable.
- Connect the cable with the supplied ring cable lug.
- Attach the ring cable lug to a suitable ground point on the vehicle (observe manufacturer's specifications).

Battery connection cable (red - 6 mm²) for compressor

- Strip the insulation from the cable.
- Strip both cable ends of the supplied fuse holder (6 mm²).
- Connect the cable of the main harness with the supplied shrink joint connector and the cable of the fuse holder.
- Connect the other end of the fuse cable to the supplied ring terminal.
- Connect the ring terminal to the positive (+) terminal of the battery.



The cable harness can only supply power to one compressor. When installing two compressors, a second power connection cable is required. Contact a STREETEC dealer to purchase the optional wiring harness for the second compressor (part number: 1160 00 00).

Installation cable set

3. Connection of the wiring harness to the ignition



Do not use any power source other than switched positive from the ignition start switch (terminal 15).

Connection cable switched positive from ignition start switch (red - 0.75 mm²)

- Strip the insulation from the cable.
- Connect the cable to the pre-assembled butt connector on the flat fuse adapter (yellow cable).

4. Fuses

Fuse for battery connection cable (red - 1.5 mm²)

- Insert the supplied 10 A fuse into the fuse holder and close the flap of the fuse holder.

Fuse for battery connection cable (red - 6 mm²)

- Insert the supplied 40 A fuse into the fuse holder and close the flap of the fuse holder.

Fuse for connection cable switched positive from ignition start switch (red - 0.75 mm²)

- Remove a minimum 10 amp fuse from a wiring harness in the fuse box that carries switched positive from the ignition start switch (terminal 15).
- Plug in the flat fuse adapter.
- Insert the supplied 10 A fuse and the original fuse in the locations provided.

Installation cable set

4. Display harness connection, display & warning buzzer

- Connect the wiring harness to the ECU.
- Route the display harness to the area of the vehicle where you want to use the display.
- Connect the supplied USB-C cable for the display to the designated connector of the display harness and the display (bottom side) of the STREETEC autoleveling.
- Connect the supplied warning buzzer to the display harness.



The USB C port only works when the plug is inserted the right way round. If the control panel does not work, the plug must be turned! Optionally, the control panel can be connected with an angled USB C plug. In this case, the connection direction does not matter.

5. Height sensor wiring harness connection (optional)

- Connect the wiring harness to the ECU.
- Route and attach the cables for the height sensors to the respective wheel; the shrink labels on the cables indicate the positions (FL/VL, FR/VR, RL/HL, RR/HR).
- Connect the height sensor cables to the corresponding connector of the
- Height sensor wiring harness. The positions are also marked on the height sensor wiring harness with shrink labels.

Make sure that the connection cables are routed to the correct position.

FL / VL	Height sensor on front left wheel
FR / VR	Height sensor on front right wheel
RL / HL	Height sensor on rear left wheel
RR / HR	Height sensor on the rear right wheel

Installation cable set



Make sure that the cables routed outside the vehicle are provided with a drip loop (Fig. 32 - 35). Otherwise, water could be drawn into the plugs of the cables!

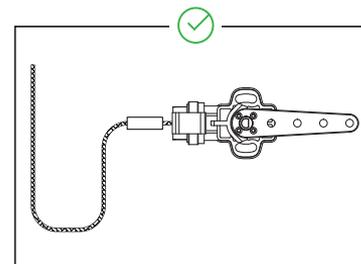


Abb. 32: Drip loop - OK

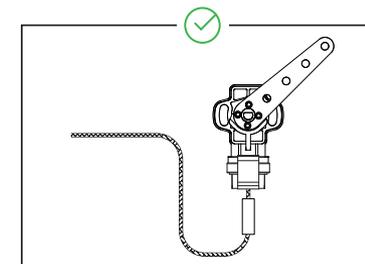


Abb. 33: Drip loop - OK

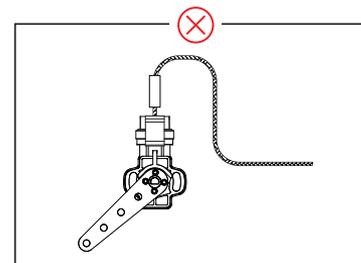


Abb. 34: Drip loop - not OK

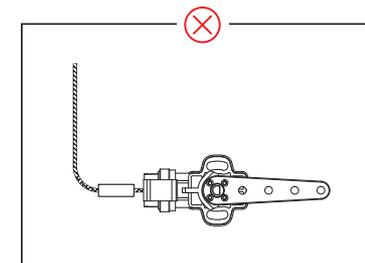
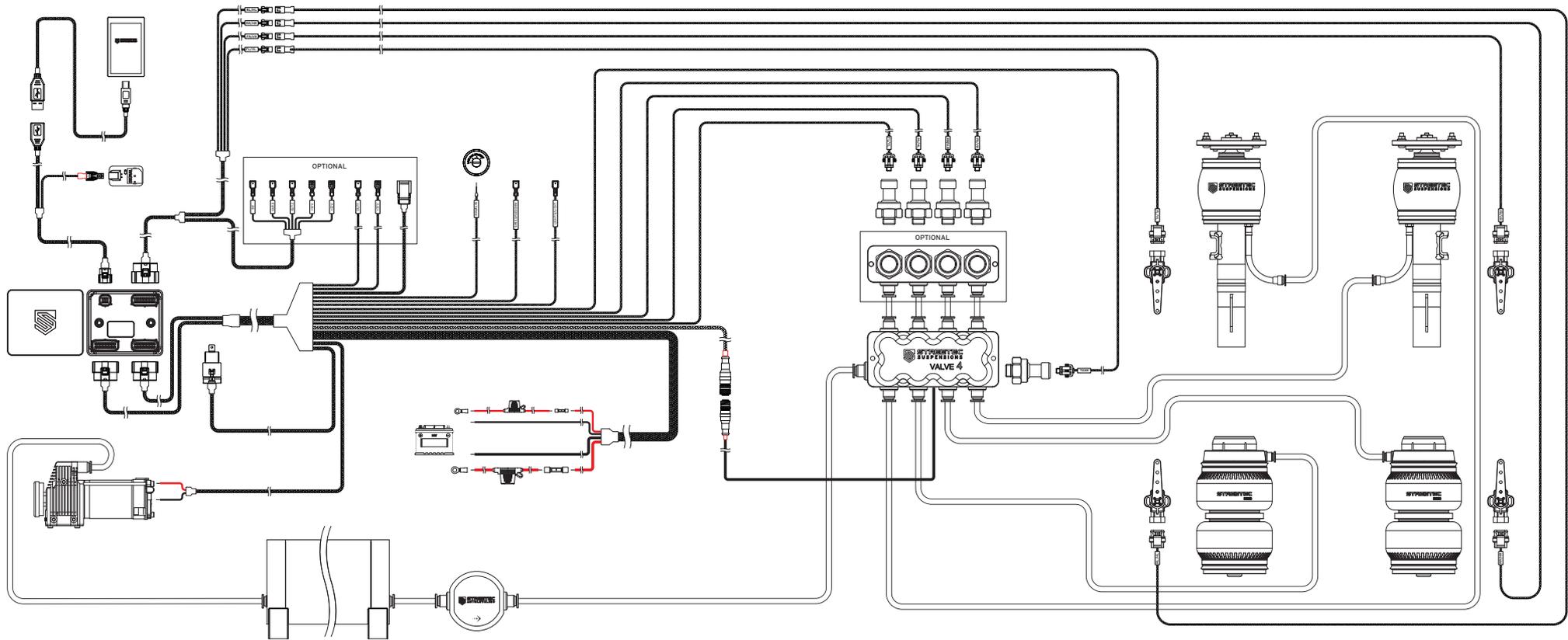


Abb. 35: Drip loop - not OK

Connection diagram



Installation air line

The air lines can be routed in or under the vehicle. In any case, make sure that all air lines are protected from abrasive edges and heat sources.

1. Route and attach the air lines from the valve block (valve4) to the struts and bellows.
2. Lay the line from the valve block to the water separator as well as from the water separator to the tank if you do not mount the filter directly on the tank.



Route air lines free of abrasive edges and heat sources.



The air lines should be pushed firmly into the fittings with a slight twist. Check the connection by pulling on each line to ensure a stable connection.

3. Screw the supplied silencer into the outlet opening of the valve block.



Use the supplied hose cutter (part number: 9909 2 0266). This will allow you to cut all hose ends straight and smooth to prevent any leaks. (Fig. 1).

Installation air line

Cutting the air lines tips & tricks!

Cutting the air lines:

- Cut off the air line at right angles to the direction in which the air line is laid
- Check the air lines for damage (scratches, tears and crooked cut edges) before mounting them on the fitting (Fig. 36.)

Minimum bending radius of the air lines (Fig. 37):

- 6mm air line - 25 mm bending radius
- 10mm air duct - 55 mm bending radius
- 1/4" air line - 30 mm bending radius
- 3/8" air line - 60 mm bending radius

Connection of the air line to a fitting:

- Avoid lateral loads on the hose
- Avoid bends closer than 50mm to a fitting.

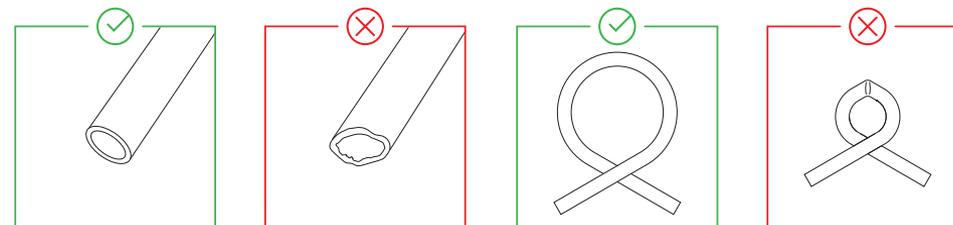


Abb. 36: Cut surface of the hose

Abb. 37: Bending radius

Assembly air line / fitting

1. Cut the air line at right angles and free of burrs. Make sure that the air line has no sharp edges, longitudinal grooves or other damage.

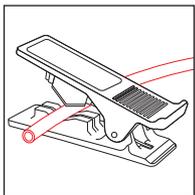


Abb. 38: Hose cutter



Use the included hose cutter (part number: 9909 2 0266) to create a clean, burr-free, square cut edge.

2. Insert the air line into the fitting as far as it will go. The retaining element fixes the air line in the fitting. The built-in O-ring creates a permanently tight connection.

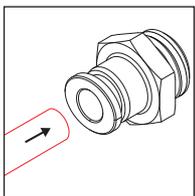


Abb. 39-40: Plugging in the air line

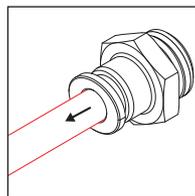
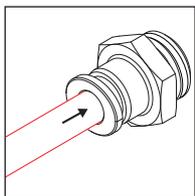


Abb. 41: Checking the plug connection

3. Check whether the hose is correctly inserted. This is easily done by pulling on the air line. In this way, you can check the holding function and ensure that no leakage has occurred.

Disassembly air line / fitting

1. Make sure that there is no pressure on the system. If the system is still under pressure, release it.

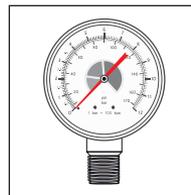


Abb. 42: Checking the system pressure

2. Push back the retaining element of the fitting with your fingers or with the aid of a release aid and hold it in this position.

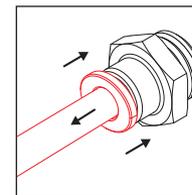
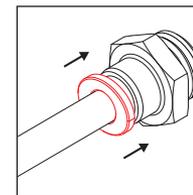


Abb. 43-44: Unlocking the retaining element

3. The air line can now be removed.

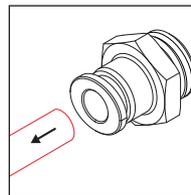


Abb. 45: Removing the air line

Autoleveling APP

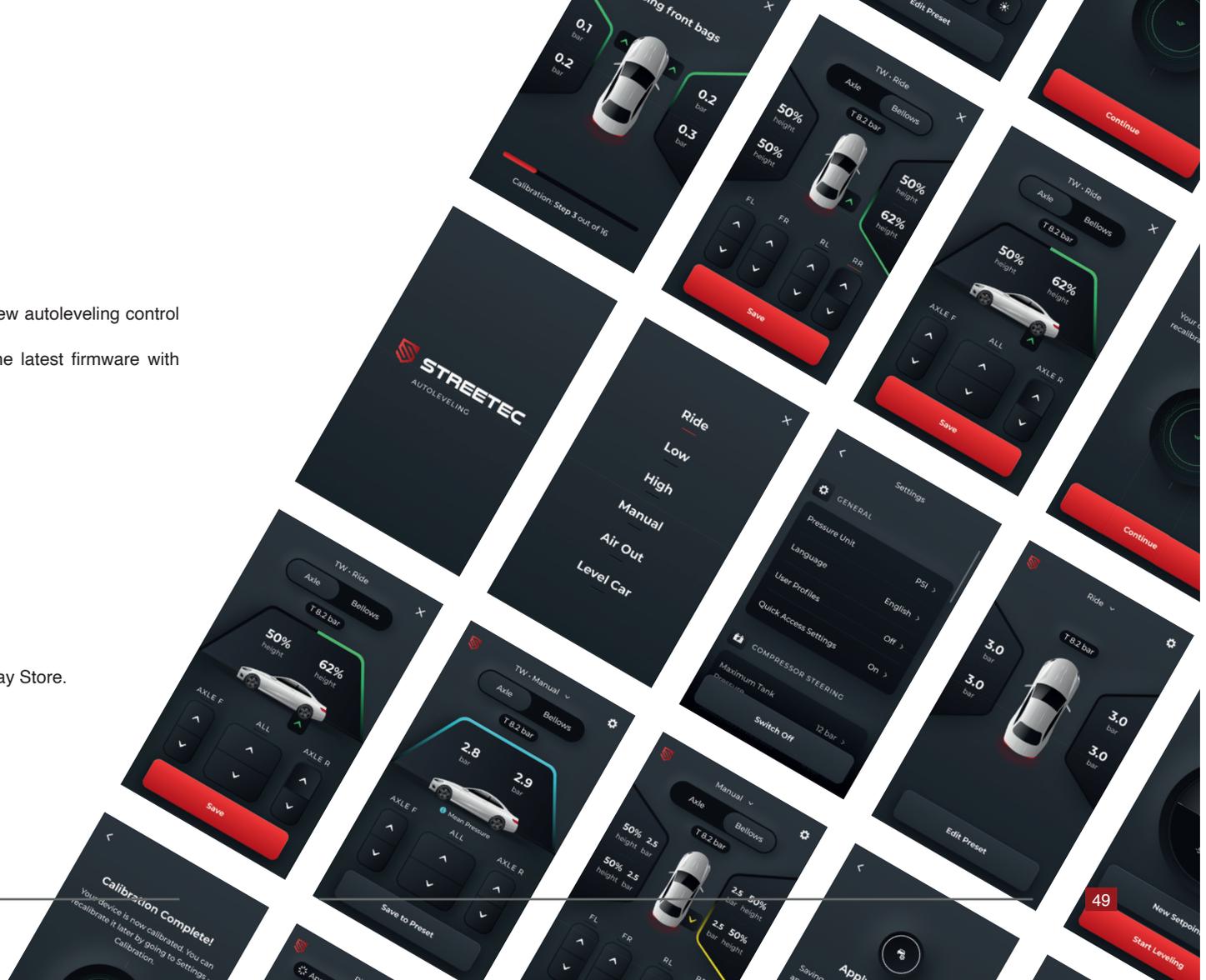
Download the free app for the best autoleveling experience.

The mobile app ‚STREETEC autoleveling‘ allows you to fully integrate your new autoleveling control with your mobile device. Simply download the free app to not only take full control of your air suspension, but also always have the latest firmware with updates directly from your app on your autoleveling.



SCAN ME

You can also search for „autoleveling“ in the Apple App Store or the Google Play Store.



Quick Start Guide

On the following pages, we will show you how to put the STREETEC autoleveling into operation and explain the most important functions.

During the first start-up, some basic settings have to be made, but all of them can be changed afterwards.

Ignition on and off we go!

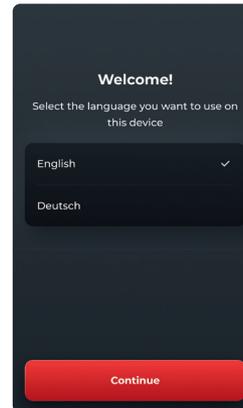
1



Start screen

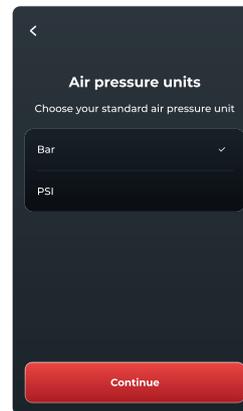
Quick Start Guide

2



Language selection

3



Selection of the unit for the pressure display

Quick Start Guide

4



Connection with the smartphone

Bluetooth must be activated on the smartphone.

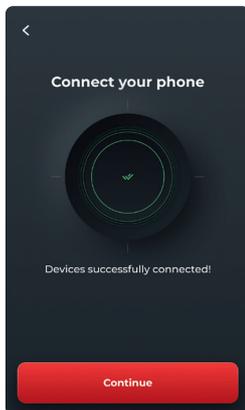
This point can be skipped.

→ Continue with point 6!

Updating the software via the smartphone is not possible in this case.

However, the connection can of course be made at a later time via the smartphone app.

5



Display when STREETEC autoleveling has successfully connected to the smartphone.

Quick Start Guide

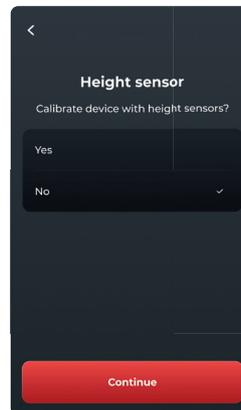
6



Query before the calibration process starts. If the prerequisites are met, the calibration can be started.

This point can be skipped (continue with point 11), but automatic height and pressure control is then not possible. Of course, the calibration can still be carried out at a later time via the settings.

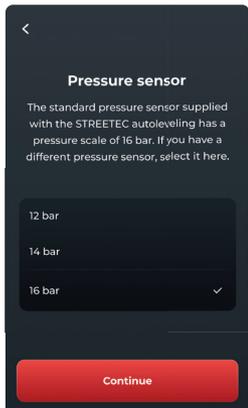
7



Selection of whether height sensors are installed.

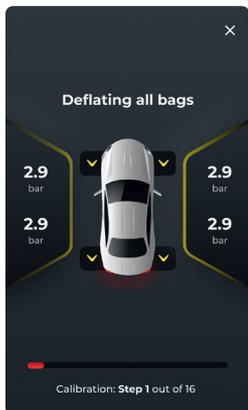
Quick Start Guide

8



Selection of the installed pressure sensor.

9



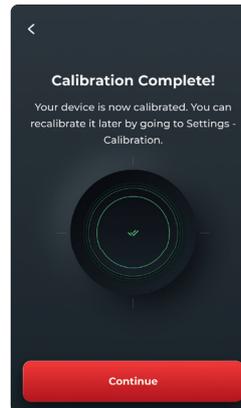
The calibration of the STREETEC autoreleving goes through 16 steps in which the vehicle moves..

The vehicle must not be driven, rolled or loaded during calibration.

CAUTION: Risk of injury!

Quick Start Guide

10



Display when calibration has been successfully completed.

11



Query whether the vehicle with STREETEC autoreleving is used by different people.

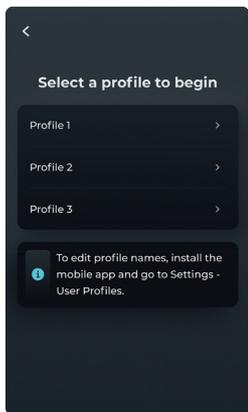
In this case, individual settings and travel heights can be saved for up to 3 people.

This point can be skipped.
→ Continue with point 13!

Of course, additional users can still be added at a later time via the settings.

Quick Start Guide

12



Selection of the first user profile

In the smartphone app, the profiles can also be assigned names and colors!

13

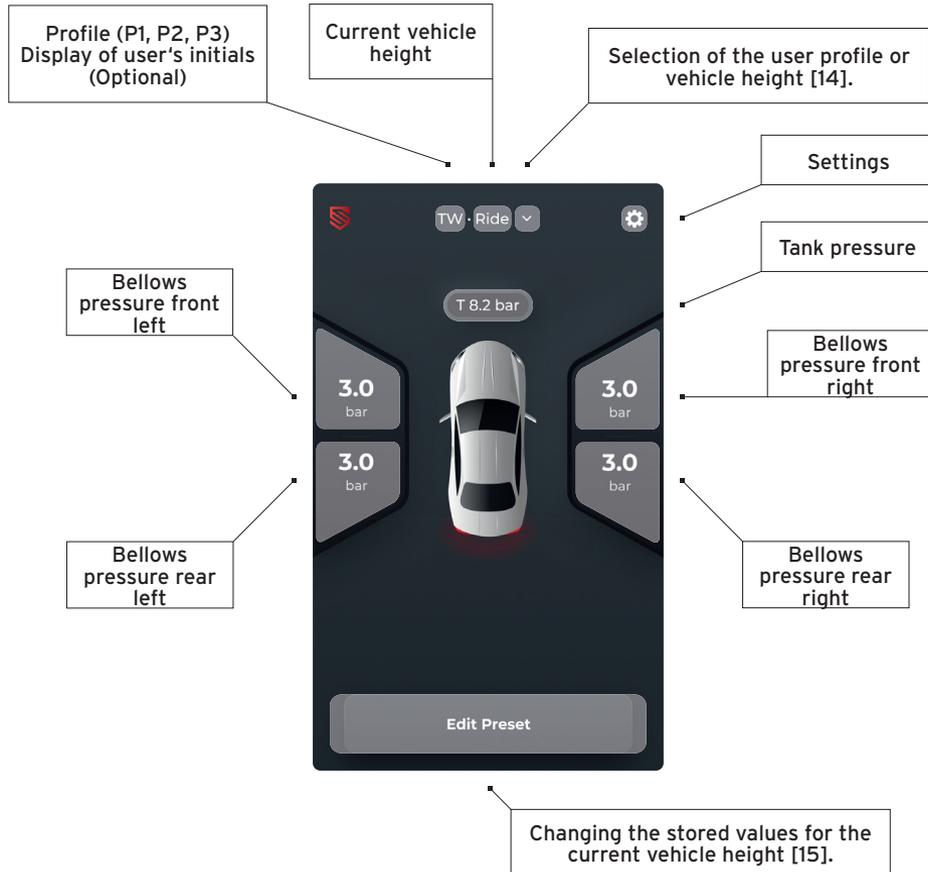


Main screen (without height sensors)

- Display according to Carrying out the calibration!

For an explanation of the main screen, see page 60.

Quick Start Guide



Quick Start Guide

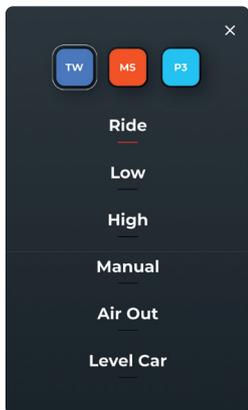
14



Main screen

- Display, if Calibration has NOT been performed!

15



User profile selection

- Here as an example: TW, MS and P3

Selection of the vehicle height

- Ride → normal ride height
- Low → low ride height
- High → high ride height
- Manual → manual adjustment (20)
- Air Out → complete lowering
- Level Car → Leveling (21)

Quick Start Guide

16



Setting a new driving pressure (without height sensors)

- Setting for each Wheel position → Convertible to axis-by-axis adjustment (17)

17



Setting a new driving pressure (without height sensors)

- Setting axis by axis or for the entire vehicle → Convertible to adjustment for each wheel position separately (16)

Quick Start Guide

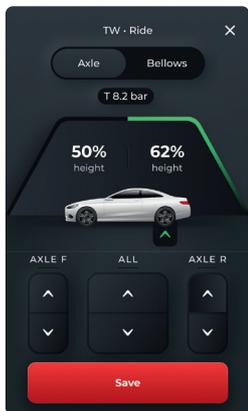
18



Setting of a new driving height (with height sensors)

- Setting for each Wheel position → Convertible to axis-by-axis adjustment (17)

19



Setting of a new driving height (with height sensors)

- Setting axis by axis or for the entire vehicle → Convertible to adjustment for each wheel position separately (16)

Quick Start Guide

20



Manual adjustment with display of pressure and height (with height sensors)

21



Leveling the vehicle

New Setpoint

- A new reference point can be programmed here. For example, for a mobile home with a straight bed surface.

Start Leveling

- If a reference point has already been programmed, leveling can be started. The vehicle is then aligned in such a way that, for example, the previously mentioned bed surface stands straight even on uneven ground.

Quick Start Guide

22



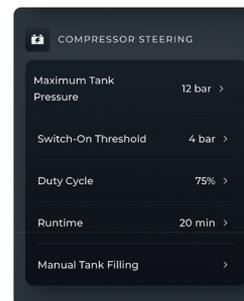
Display after aligning the vehicle.

Settings



General settings

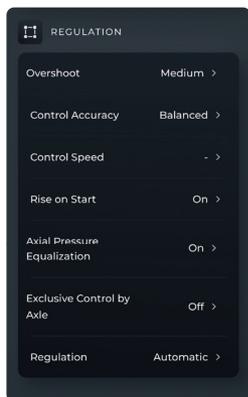
- Pressure unit (bar or psi)
- Language
- Enable or disable user profiles



Compressor control

- Tank pressure (10 to 14 bar) [recommendation max. 12 bar].
- Switch-on threshold/pressure drop, at which the compressor switches on
- Minimum battery voltage at which a warning is displayed
- Max. Degree of utilization of the installed compressor
- Maximum running time of the installed compressor
- Manual start of the compressor for tank filling
- Deactivate compressor manually

Settings



Regulation

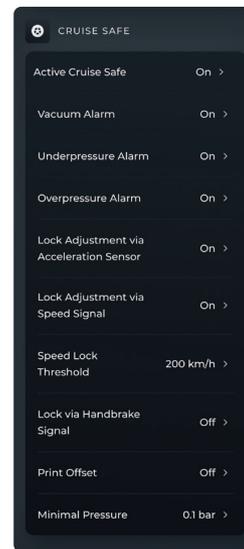
- The pressure/height value is 'overrun' and controlled 'from above'. This is important for vehicles/chassis that are difficult to control.
- Control accuracy
- If 'Rise on Start' is activated, the vehicle is adjusted to the normal ride height [RIDE] when the ignition is changed.
- When pressure compensation is activated, STREETEC autoleveling attempts to regulate as small a pressure difference as possible between the left and right sides within the scope of the possibilities specified by the vehicle. When using height sensors!
- The control is only carried out axis by axis, the values on the left and right are always controlled to the same values if possible..



Drainage

- With activated Drainage an optional usable electrical Water separator controlled.
- Duration of the Compressor, the according to the water separator is controlled.

Settings



Cruise Safe

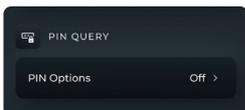
- Durch Aktivieren des Cruise Safe werden einige Sicherheitsfeatures ergänzt
- Low pressure alarm
- Alarm for too high pressure
- Adjustability lock in case of driving detection by the integrated acceleration sensor
- Lock adjustability in case of travel detection by a connected signal (e.g. speed signal).
- Speed at which adjustability is deactivated (with V-signal connected and calibrated)
- Lock adjustability in case of travel detection by handbrake signal (12V or ground)
- Offset of the display to the actual driving pressure
- Limiting pressure front axle
- Limiting pressure rear axle

Settings



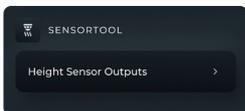
Display

- Display brightness
- Dimming of the display when the driving lights are switched on
- Brightness with dimmed display
- Intensity of the haptic feedback of the touchscreen



PIN query

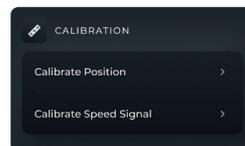
- Enable/disable



Sensor tool

- Help tool for easier installation and testing of height sensors

Settings



Calibration

- Calibration of pressure/height control
- Calibration of the speed



Reset

- Reset to factory setting
- Reset to default values (heights/pressures)

Components list

Part number	Designation
1120 00 00	STREETEC autoleveling - ECU
1160 00 00	STREETEC autoleveling - 2nd compressor harness
1732 1 0004	STREETEC autoleveling - pressure sensor manifold
2013 0 0003	STREETEC autoleveling - Touchscreen Control Panel
2013 1 0015	STREETEC autoleveling - ECU bracket 90°
2013 1 0017	STREETEC autoleveling - ECU bracket 30°
2013 2 0003	STREETEC autoleveling - USB crossover cable Touchscreen
2013 2 0004	STREETEC autoleveling - USB cable 1m
2013 2 0006	STREETEC autoleveling - electrical connection kit
2013 3 0002	STREETEC autoleveling - HMI USB connection Kit
2013 3 0005	STREETEC autoleveling - pressure sensor kit
2013 3 0007	STREETEC autoleveling - Water trap mounting kit
2013 3 0009	STREETEC autoleveling - HMI USB connection Kit + alarm buzzer
2013 H01	STREETEC autoleveling - Main Harness
2013 H02	STREETEC autoleveling - HMI Harness
2013 H03	STREETEC autoleveling - Height Sensor Harness
9909 2 0027	STREETEC autoleveling - height sensor 120° incl. fitting material
9909 2 0028	STREETEC autoleveling - cable FL for height sensor (6 meter)
9909 2 0029	STREETEC autoleveling - cable FR for height sensor (6 meter)
9909 2 0030	STREETEC autoleveling - cable RL for height sensor (3.6 meter)
9909 2 0031	STREETEC autoleveling - cable RR for height sensor (3.6 meter)
9909 2 0204	STREETEC autoleveling - valve4 manifold
9909 2 0266	STREETEC autoleveling - Tube cutter 0-14 mm
9909 2 0363	STREETEC autoleveling - Water trap
9909 2 0492	STREETEC autoleveling - bracket for water trap
9909 2 0504	STREETEC autoleveling - Pressure Sensor
9909 2 0505	STREETEC autoleveling - valve harness universal
9909 2 0511	STREETEC autoleveling - alarm buzzer
9909 2 0515	STREETEC autoleveling - height sensor linkage

Part number	Designation
9909 2 0516	STREETEC autoleveling - height sensor arm
9909 2 0538	STREETEC autoleveling - connection plan
9909 2 0540	STREETEC autoleveling - Mounting template ECU
9909 2 0541	STREETEC autoleveling - Manual
9909 2 0542	STREETEC autoleveling - Mounting template valve4
9909 3 0001	STREETEC autoleveling - valve4 mounting kit
9909 3 0002	STREETEC autoleveling - ECU 90° mounting kit
9909 3 0003	STREETEC autoleveling - height sensor mounting kit
9909 3 0004	STREETEC autoleveling - ECU standard mounting kit
9909 3 0005	STREETEC autoleveling - relay mounting kit
9909 3 0006	STREETEC autoleveling - valve4 fitting pack - 1/4"
9909 3 0007	STREETEC autoleveling - water trap fitting pack - 1/4"
9909 3 0008	STREETEC autoleveling - pressure sensor mounting block fitting pack - 1/4"
9909 3 0010	STREETEC autoleveling - valve4 fitting pack - 3/8"
9909 3 0011	STREETEC autoleveling - water trap fitting pack - 3/8"
9909 3 0012	STREETEC autoleveling - pressure sensor mounting block fitting pack - 3/8"
9909 3 0013	STREETEC autoleveling - valve4 fitting pack - 10 mm
9909 3 0014	STREETEC autoleveling - water trap fitting pack - 10 mm
9909 3 0015	STREETEC autoleveling - pressure sensor mounting block fitting pack - 10 mm
9909 3 0016	STREETEC autoleveling - valve4 fitting pack - 6 mm
9909 3 0017	STREETEC autoleveling - water trap fitting pack - 6 mm
9909 3 0018	STREETEC autoleveling - pressure sensor mounting block fitting pack - 6 mm
9909 3 0019	STREETEC autoleveling - tank installation kit - 1/4"
9909 3 0020	STREETEC autoleveling - tank installation kit - 3/8"
9909 3 0021	STREETEC autoleveling - tank installation kit - 6 mm
9909 3 0022	STREETEC autoleveling - tank installation kit - 10 mm
9909 3 0023	STREETEC autoleveling - ECU 30° mounting kit
9909 2 0543	T-Fitting - 1/4" G female thread 1/4" G female thread 1/4" G female thread

Declaration of Conformity

The STREETEC autoleveling complies with the essential requirements of the European and national radio equipment directive - 2014/53/EU



The manufacturer / distributor

Streetec GmbH, Industriestraße 12, D-64739 Höchst im Odenwald

hereby declares that the device designated below

STREETEC autoleveling

complies with all relevant provisions of the applied legal regulations (hereinafter) - including their amendments in force at the time of the declaration. The sole responsibility for issuing this declaration of conformity lies with the manufacturer. This declaration refers only to the device in the condition in which it was placed on the market; parts added and/or interventions made subsequently by the end user are not taken into account.

The following legislation was applied:

Radio Equipment Directive – RED (2014/53/EU)

Conformity with the essential requirements of the Directive is demonstrated by the application of the following standards:

Basic requirements	Applied standards
Safety / Health (RED, Artikel 3.1a)	DIN EN IEC 62368-1:2021-05
EMC (RED, Artikel 3.1b)	EN 301 489-17 V3.2.4:2020 EN 301 489-1 V2.2.3:2019
Radio spectrum (RED, Artikel 3.2)	EN 300 328 V2.2.2:2019-07

Notes on disposal



Disposal note!

Do not dispose of the device in household waste! Electronic devices must be disposed of in accordance with the directive on waste electrical and electronic equipment via the local collection points for waste electronic equipment..

Manufacturer information

STREETEC GmbH
Industriestraße 12
64739 Höchst im Odenwald

A copy of the instructions can also be downloaded from our website:
<https://www.STREETEC.net/certification>



Do you need help?
Contact the STREETEC / null-bar customer service department from Monday to Friday at +49 (0) 6163 - 939928.



+49 (0)06163 939928



info@streetec.net



www.streetec.net



STREETEC GmbH

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