

X LIFTER

World's first
Air-suspension controller with self-levelling
for selected Land Rover® vehicles



User manual

New Defender L663, Discovery 5 L462,
Range Rover Sport L494 and Range Rover L405

Model X2 New Generation, Firmware 2.03

Table of contents:

1. Legal disclaimer	2
2. General description	2
3. Safety information	3
4. Instructions for use	4
4.1. Lifter (7 presets mode): Change height in 7 programs	4
4.2. Lifter (+- 5mm free mode): Free adjustment from -40 to +75 mm	5
4.3. Levelling: self-level the vehicle	6
4.4. Trailer assistant: easier trailer operations	8
4.5. Compressor temperature monitoring	8
4.6. Menu Settings: User settings	9
4.7. Menu "Extras & Specials": Extra and recovery features	9
5. Calibration	9
6. Service menu	10
6.1. Entering and exiting the Service menu	10
6.2. Service menu items	11
7. Firmware update	12
8. Technical specifications	14
9. Warranty conditions	15
10. Contacts and support	15

Congratulations on your XLifter purchase!

Thank you for reading this user manual. XLifter is designed to be simple and intuitive, like a Swiss Army knife for your vehicle's air suspension: versatile, but best used with care. This guide provides useful tips, warnings and advice to help you get the most from it.

Use its capabilities responsibly to ensure safety and optimal performance. Reading these instructions will help you make the most of your new product.

Enjoy your XLifter and thank you for your trust in us!

1. Legal disclaimer

This product is an air-suspension controller for Land Rover vehicles named XLifter (hereinafter referred to as the “**device**” or “**XLifter**”).

XLifter is an additional device that can change or adjust the air-suspension computer settings or electronic programming of the vehicle in which it is installed.

XLifter is not designed or approved for installation in vehicles intended for use on public roads, in particular under Act No. 361/2000 Coll., as amended. The manufacturer assumes no liability arising from the technical requirements for operating vehicles on public roads if you use this product on public roads or anywhere else where its use may be unauthorised, whether in the Czech Republic or any other jurisdiction. **The end user assumes all liability associated with using the device on public roads, in particular under the mandatory technical requirements set out in Act No. 56/2001 Coll. and Regulation No. 341/2014 Coll.**

By installing the device, the end user releases the manufacturer from any liability for the product's effects on, or damage to, other vehicle systems, parts or components (whether mechanical or electronic), including financial or non-material loss. By installing this product, the end user also acknowledges that it is intended for use under **controlled conditions, at low speeds and with increased caution.**

The end user is responsible for informing any prospective future owner of the vehicle that the device is installed.

By installing the device, you acknowledge and agree to the terms above. Please use XLifter only off-road, never on public roads.

2. General description

XLifter is an advanced air-suspension controller for selected Land Rover vehicles. It helps you make the most of your Land Rover's air suspension for off-roading and expedition travel.

XLifter gives you finer control over vehicle height. Raising the vehicle above Land Rover's maximum “Off-road” height helps you tackle difficult terrain. XLifter is not subject to the 40 km/h speed limit, making long stretches of sand, green lanes or gravel roads more manageable. It also retains your selected lift setting, so you can maintain that height for as long as required. Lowering the vehicle slightly improves cornering stability and aerodynamics, which may improve fuel economy. Lowering it below the original access height helps you enter low-clearance garages or ferries and makes loading cargo easier.

XLifter's unique self-levelling feature makes sleeping in your vehicle or rooftop tent more comfortable during expeditions.

XLifter's controls are intuitive and easy to use. The control module has a graphical OLED display and physical buttons optimised for off-road use.

The XLifter EAS unit communicates wirelessly with the control module. Installation is straightforward, and the system can be fully removed when required. **No drilling, soldering or routing of wiring through the cabin is required.**

XLifter Model X2 New Generation is designed for Land Rover® New Defender (L663), Discovery 5 (L462), Range Rover Sport (L494) and Range Rover (L405).

3. Safety information

This manual contains important information on installing and using XLifter. Please read this section to understand its features and learn how to operate it safely. Use XLifter only for its intended purpose, as described in this manual.

What the safety symbols in this user manual mean:



This symbol highlights warnings, hazards or unsafe practices that may damage the vehicle or its systems. **Read the marked text carefully and follow the instructions to avoid these risks.**



Warning: This symbol, accompanied by the word “Warning”, indicates situations where failure to follow the instructions may result in serious injury or damage to the equipment or vehicle.

Safety instructions appear throughout the descriptions of individual XLifter functions. The most important are summarised below:

General warnings:



Warning: XLifter must only be operated by someone familiar with this manual. If someone else will be driving, activate the Keylock function beforehand as a safety measure. (See chapter 4.6.)



Warning: If XLifter remains installed when you sell the vehicle, inform the new owner and familiarise them with this manual. Keep the manual in an accessible place in the vehicle for future reference.



Warning: Do not use XLifter on public roads. Do not lower or raise the vehicle at high speeds.



Warning: The same warnings apply when using the XLifter mobile app. They apply equally whether you use the control module or the app.

Warnings for the lifter and lifter-free functions:



Warning: Do not overstress the CV joints **at extreme lifts: “Off Road 2” (+75 mm) or any lift program with the original vehicle height set to “Off Road”**. Use the accelerator gently, especially in low range with the steering turned sharply left or right.



Warning: With the original vehicle height set to “Off Road”, a sustained XLifter lift of more than +25 mm is not recommended, as it may increase air-spring wear.



Warning: Avoid overworking the compressor! Repeatedly lowering and raising the vehicle can overheat it; three cycles may be enough. At approximately 130 °C, the Land Rover EAS unit prevents further operation until the compressor cools down. Cooling takes about 10 minutes. **Monitor the compressor temperature!**

Warning for the levelling function:



Warning: NEVER start levelling while driving. It sets the wheels to different heights, creating a potentially dangerous situation. Start levelling **ONLY** when the vehicle is stationary.



Exit the levelling function before driving. Driving with unbalanced wheel heights is potentially dangerous and may damage the vehicle. **NEVER leave your campsite with levelling still active!**



Do not engage the electronic parking brake (EPB) before or during levelling. It creates unnecessary tension in the parking brake cables, restricting wheel movement. You may use Park without engaging the brake.



Warning: Close all doors before starting the levelling function to prevent possible damage due to contact with surrounding obstacles/obstructions.

4. Instructions for use

The XLifter control module acts as a smart remote for the air suspension, allowing you to adjust settings and view the operating status. It has four arrow buttons: ▲▼ to change settings or scroll through menus, the right ► button to open menus or activate items, and the left ◀ button to go back or cancel.

The XLifter home screen shows the most important status information:

- Selected lift program / lift / units
- The **original** LR height indicator shows the height selected using the vehicle's centre console controls:



= Off Road height 2



= Off Road height 1

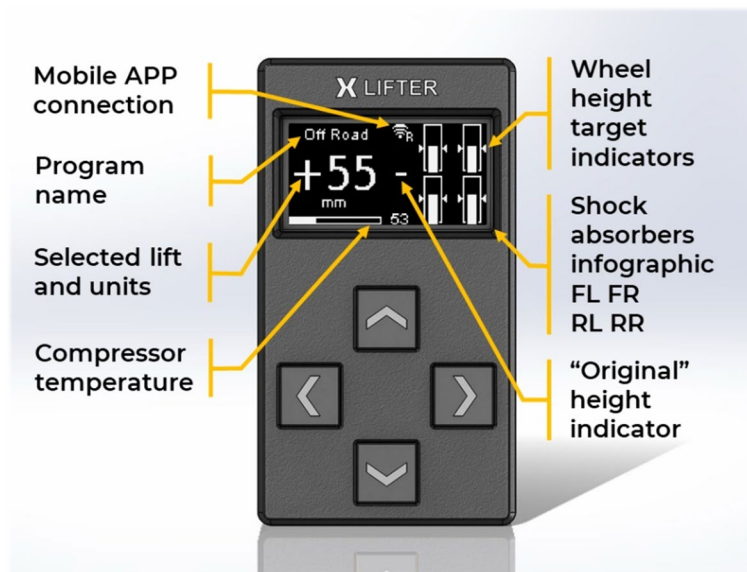


= Standard height



= Access height

- Shock absorber graphic: the outer edge represents the housing, and the white column inside represents the rod connected to the wheel.
- The wheel target height indicator displays the optimal wheel height for the selected program on a flat surface.
- The compressor head temperature gauge features a progress bar that is empty at 25 °C or lower and full at 130 °C.
- Pressing the ▲▼ buttons on the home screen changes the lift program or adjusts the height in 5 mm steps, depending on the active lifter mode.



Overview of XLifter functions

All common features are accessible from the **main menu**.

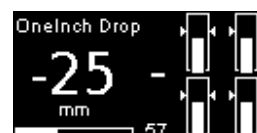
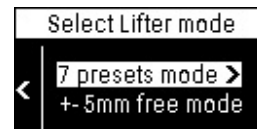
Press ► on the home screen to open the main menu.

Press ◀ in the main menu to return to the home screen.



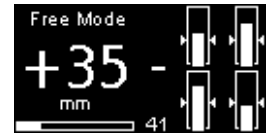
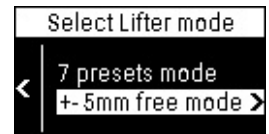
4.1. Lifter (7 presets mode): Change height in 7 programs

1. Press ► to access the main menu.
2. Use ▲▼ to select "**Lifter**", then "**7 presets mode**", and press ► to activate.
3. Use ▲▼ to change the lift program:
 - Off Road 2 – height + 75 mm (+65 mm for RRS L494).
 - Off Road 1+ – height +45 mm (+40 mm for RRS L494).
 - One Inch Lift – height +25 mm.
 - Aesthetic Lift – height + 15 mm.
 - Disengaged – height +0 mm (default value).
 - Highway Drop – height - 15 mm.
 - One Inch Drop – height -25 mm.
 - Super Drop – height - 35 mm.



4.2. Lifter (+- 5mm free mode): Free adjustment from -40 to +75 mm

1. Press ► to access the main menu, select “**Lifter**”, then “**+5mm free mode**”, and press ► to activate.
2. Use the ▲▼ buttons to select the desired height in 5 mm steps.
 - The current lift value is displayed.
 - Hold the ▲ or ▼ button for auto-repeat.
 - In Lifter (+-5mm) mode, "Free mode" is displayed as the program name.



Warnings and limitations for the “Lifter” and “Lifter-free” functions

- The original LR vehicle height controls remain unchanged after XLifter installation.
- The XLifter lift value is always added to or subtracted from the original height. For example, the original “Off Road” height (+75 mm) combined with XLifter’s “One Inch Lift” (+25 mm) raises the vehicle 100 mm above standard height.
- XLifter is optimised for the vehicle’s “Standard” height. It can also **operate at the original “Off Road” or “Access” heights**, with these limitations:
 - ⚠ **Maximum +25 mm lift above the original “Off Road” height** (“Off Road 2” is disabled).
 - ⚠ **Maximum -25 mm drop below the original “Access” height** (“Super Drop” -35 mm is disabled; on RRS L494, “One Inch Drop” -25 mm is also disabled).
 - ⚠ Exceeding these limits may trigger extended mode or suspension errors! Set XLifter to “Disengaged” (+0 mm) and restart the engine to clear these errors.
- For safety, XLifter doesn't change vehicle height (sensor voltages) within 1 cm of maximum wheel articulation.
- ⚠ **Warning: For extreme lifts like "Off Road 2" (+75 mm) or any lift above original "Off Road" height, use the accelerator gently, especially in low range with hard left or right steering.** High driveshaft angles can stress CV joints significantly.
- Avoid repeatedly raising and lowering the vehicle, as this can overheat the compressor. Warning messages include “Suspension raising slowly” or “Suspension failure”. The system stops at 125–130 °C and needs about 10 minutes to cool down. **Monitor the compressor temperature and avoid height adjustments when it is high.**
- If the ignition is on and the XLifter EAS unit loses communication with the control module for more than 5 minutes, the Default lift (usually +0 mm) activates automatically as a precaution against control module malfunction, theft or damage.
- The original vehicle height indicator uses software to compare the average height with a calibrated reference in real time. It may occasionally detect the height inaccurately or with a delay. This is not a malfunction; the indicator is primarily for information.



Warning: Do not use the original LR controls to raise the vehicle to “Off Road” while it is already raised by XLifter! First set XLifter to +0 mm (or no more than +25 mm), THEN raise it using the original controls.

Similarly, do not use the original controls to select “Access” while the vehicle is already lowered by XLifter. First set XLifter to +0 mm (or no lower than -25 mm), THEN lower it using the original controls.



Warning: The vehicle automatically lowers by 20 mm at speeds above 160 km/h. Do not use XLifter on public roads or lower the vehicle at high speeds!

4.3. Levelling: self-level the vehicle

The self-levelling feature levels the vehicle on uneven ground to a pre-calibrated position. It is primarily intended to make sleeping in the vehicle or a rooftop tent more comfortable.

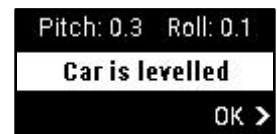
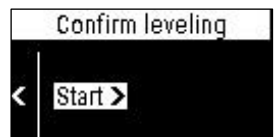
XLifter can correct a tilt of approximately **3.4° longitudinally (pitch) or 4° laterally (roll)**.

For combined inclines, the total must not exceed 3–4°, depending on vehicle position.

These limits depend on the available wheel travel. Start levelling only at the original “Standard” height to maximise available wheel travel.

Activating the Levelling function:

1. Press ► to access the main menu.
2. Select “**Levelling**” and confirm with the ► button.
 - The current pitch and roll are displayed. The longer marker on the left shows pitch; the shorter marker on the right shows roll.
 - You may use ▲▼ to toggle between levelling screens at any time.
 - The detailed screen with shock absorber graphics shows the target wheel positions needed to fully level the vehicle.
 - The compressor temperature screen allows temperature monitoring before and during levelling.
 - If pitch, roll or both exceed **the levelling range**, the corresponding **marker flashes and “!” appears** next to the measured angle. The detailed screen also shows which wheels have insufficient travel.
3. Press ► to START LEVELLING.
4. Press ► to confirm the start of levelling.
 - You cannot return to the previous menu from this point. The vehicle has been instructed to set unbalanced wheel heights and is unsuitable for driving. To cancel at any stage and restore normal wheel heights, exit the levelling function.
 - Levelling progress and current pitch/roll values are displayed. Use ▲▼ to switch between levelling screens.
 - If pitch or roll is not within 0.5° of the calibrated position at the end of the cycle, another fine-tuning cycle starts automatically (FINE TUNING).
5. If you are not satisfied with the result, select OK by pressing ►, choose “**Finetune levelling**” and press ►. XLifter will restart the fine-tuning cycle from the current vehicle position.



When levelling is complete, the display shows “**Car is levelled**” and the current pitch/roll values. You can now turn off the engine; the vehicle is levelled for sleeping.

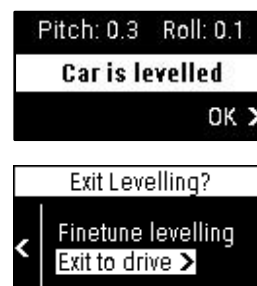
When the ignition is turned on again while the vehicle is levelled, XLifter shows “Car is levelled” to indicate that the levelling function is still active.



Warning: Exit the levelling function before driving! Driving with unbalanced wheel heights is potentially dangerous and may damage the vehicle.

Exiting the levelling function:

1. Press ► to open the levelling exit menu.
2. Use ▲▼ to select **"Exit to drive"** and confirm with ►. XLifter returns to the previously selected lift program, and the vehicle restores normal wheel heights when the engine is running.



Warnings and limitations for the levelling function:

- To maximise available wheel travel and the tilt that can be corrected, start levelling at the original "Standard" height. XLifter displays a reminder if the vehicle is at "Access" or "Off Road" height.
 - ⚠ **Monitor the compressor temperature. Never start levelling when it is very high.** Let the compressor cool down first!
 - ⚠ Levelling uses the full capabilities of the air suspension. "Extended mode" or yellow suspension faults may occur near or beyond the levelling limits. If a fault occurs when the vehicle is already sufficiently level for sleeping, turn off the engine. You do not need to address it immediately. Exiting levelling and starting the engine will clear these faults.
 - Air-suspension limitations mean levelling cannot be expected to achieve accuracy to tenths of a degree. An accuracy of 0.5° is satisfactory. You can repeat fine-tuning as needed.
 - The engine must be running during levelling; otherwise, the suspension compressor cannot operate and the vehicle cannot rise.
 - ⚠ **Warning:** Close all doors before levelling to prevent them from hitting the surrounding ground. The Land Rover EAS unit may also prevent levelling with a door open, and the "kick trick" will not work.
 - ⚠ **Do not use the electronic parking brake (EPB) during levelling.** It creates tension in the brake cables, restricting wheel movement. On automatic vehicles, you may use "P" instead. If necessary on a slope, hold the brake pedal during levelling, releasing it briefly about every 10 seconds to relieve tension caused by wheel movement.
- 💡 **The "kick trick":** a levelling cycle takes 80 seconds. The air suspension may respond slowly to small height changes, especially during fine-tuning. To prompt an immediate response, use the centre console controls to select the original "Off Road" height, then return to "Standard" as soon as the vehicle starts to rise.



Warning: NEVER start levelling while driving! It sets the wheels to different heights, creating a potentially dangerous situation.

NEVER leave your campsite without exiting the levelling function first!



Tip: Levelling is a feature designed to level the vehicle to a calibrated position for sleeping when camping. If you prefer to sleep with your head slightly up/down, just calibrate the XLifter in a position comfortable to you.



Tip: The rear axle has a larger wheel travel than the front one. The rear of the car can lift more than the front. If you position the vehicle uphill instead of downhill, the maximum alignment angle will be slightly higher - the levelling will lift the rear and lower the front.

4.4. Trailer assistant: easier trailer operations

Trailer assistant raises or lowers the rear of the vehicle and the tow hitch. Unlike a standard height change, it changes the vehicle's pitch, substantially increasing the adjustment range.

Activating the Trailer assistant function:

1. Press ► to access the main menu, select "Extras", then "**Trailer assist**".
 - Use the ▲▼ buttons to adjust the rear height.
 - Before the first adjustment, confirm the "Is car stopped" safety prompt with ►.
 - After adjusting the rear height, you cannot return to the previous menu. As with levelling, the vehicle has been instructed to change pitch and is unsuitable for driving.
2. To exit Trailer assistant, press ► and confirm "**Exit to drive**" in the "Exit Trailer assist" menu. The vehicle returns to normal, as when exiting levelling.



Warnings and limitations for the Trailer assistant function:

The same warnings and limitations apply as for levelling, as the functions work on similar principles. Make sure you are familiar with them.



Warning: NEVER start Trailer assistant while driving! It changes the vehicle's pitch, creating a potentially dangerous situation.



Warning: Exit Trailer assistant before driving! Driving with the vehicle at an abnormal pitch is potentially dangerous and may damage it.

4.5. Compressor temperature monitoring

The compressor is designed for short bursts, not continuous use. Extensive use of XLifter increases the demand for compressed air, so it is important to monitor the compressor temperature.

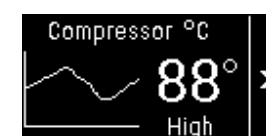
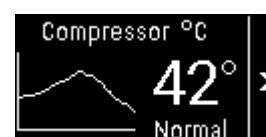
- The compressor temperature is displayed on the home screen below the lift value.
- Press ◀ on the home screen to view the temperature screen, with a graph of the last 10 minutes.

The measured compressor temperature range is 20 °C to approximately 140 °C. Below 25 °C, "<25" is displayed. Above 125–130 °C, the vehicle's EAS computer switches off the compressor to let it cool down.

XLifter divides compressor temperatures into three ranges:

1. Normal: <25 °C to 70 °C – all operations are possible.
2. High: 71 °C to 110 °C – monitor closely and reduce use if needed.
3. Very high: above 110 °C – let the system cool down!

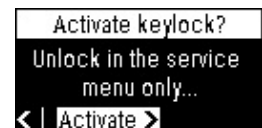
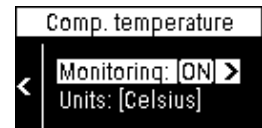
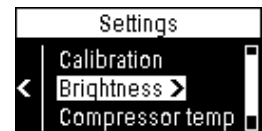
Compressor temperature monitoring can be disabled in the Settings menu if the temperature lead was not installed. Temperature units can be selected there.



4.6. Menu Settings: User settings

The “Settings” menu contains the XLifter user settings:

1. **Calibration** – see chapter 5 for details.
2. **Brightness**
 - Adjust display brightness from 0% to 100% using the ▲▼ buttons. Hold a button for auto-repeat.
3. **Compressor temp**
 - Turn compressor temperature measurement on and off.
 - Set the temperature units to °C or °F.
4. **Activate Keylock**
 - Keylock locks the buttons to prevent changes to XLifter’s settings and displays “Keys are locked”. It does not change the current lift setting or stop an active function, including levelling or trailer mode. Before enabling Keylock for a driver unfamiliar with XLifter, make sure the vehicle is in a suitable mode and at a safe height.
 - Press ► to activate and ► to confirm. Keylock is now active.
 - **Keylock can only be deactivated in the Service menu.** See chapter 6.



4.7. Menu “Extras & Specials”: Extra and recovery features

The “Extras” menu, contains additional functions and recovery tools.

1. **Connect APP** – creates a local WiFi access point for the mobile app.
 - If AppWiFi is set to “Always On” in the Service menu, this item is hidden.
2. **Trailer assist** – feature described in chapter 4.4.



5. Calibration

The XLifter requires calibration before its first use, for several reasons:

- **Position Measurement:** During calibration, the XLifter measures the vehicle’s position. Measured roll and pitch angles establish a reference “zero” plane used for the levelling functions, enabling the vehicle to self-level to the calibrated position.
- **Wheel Position Memory:** XLifter records the standard wheel positions during calibration. These are used to calculate safety limits, shock absorber graphics, vehicle height detection and other internal parameters.

Calibration procedure:

1. Prepare the vehicle and set Standard/Disengaged height:

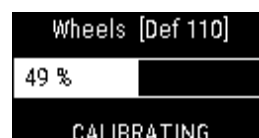
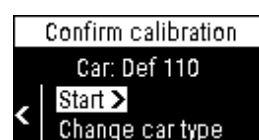
- Position the vehicle on a flat, bump-free surface and leave the engine running. You may use a bubble level to verify the vehicle's pitch and roll angles. The vehicle will self-level to this position during levelling.
- △ **Important:** The ground must be flat, with no wheel in a pothole or on a bump. All wheels must rest on the same plane. Accurate calibration is essential for lifting and levelling!
- Set the original vehicle height to “Standard”, not “Off Road” or “Access”.
- Set the XLifter program to “Disengaged” (+0 mm).
- Wait until the vehicle height is stable and no longer adjusting.

2. Enable air-suspension tight tolerance mode:

- Start the engine if it is not already running.
- Set the suspension to normal height if it is not already set.
- Open the driver's door.
- Press the brake pedal lightly 3 times in quick succession.
- Close the driver's door within 10 seconds of the first brake pedal press. If successful, the vehicle sounds two chimes about 1 second after the door closes. If there is no chime, try again. If it still does not work, continue with calibration, but repeat it soon with tight tolerance mode enabled.
- Wait about 1 minute to let the vehicle adjust.

3. Confirm the correct vehicle type and run calibration:

- From the "home" screen, press ► to enter the main menu.
- Use ▲▼ to select "**Settings**" and press ►.
- Use ▲▼ to select "**Calibration**" and press ►.
- Confirm that the correct car type and steering side are set. Navigate to "**Change car type**" if necessary.
- Select "Start" and confirm with ► to begin calibration.
 - Allow about 40 seconds for the calibration to complete.
 - Note: Avoid abrupt movements during calibration to ensure accuracy, as the tilt sensor is highly precise.



Recalibrate XLifter if:

- The vehicle's height calibration has been changed using Land Rover service tools, e.g. after replacing a suspension arm or height sensor.
- The XLifter EAS unit has been physically moved or detached from its 3M fastener.



6. Service menu

XLifter is designed for straightforward operation. Configuration **and technical functions are therefore kept in the "Service menu"**, which is not normally needed for everyday use.

Navigate the Service menu as you would other menus: use ▲▼ to select an item, ► to activate it, and the ◀ back button to return or exit.

6.1. Entering and exiting the Service menu

To access the Service Menu, hold down any button on the control module during power-up. Here's how to do it based on your power source:

If the control module is powered from a 12 V cigarette lighter socket:

- Simply pull out the plug, press and hold any button ◀▲▼► and reinsert the plug. The Service Menu should appear.

If the control module is wired directly to the vehicle's 12 V supply:

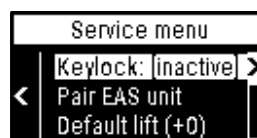
- Turn off the ignition and wait for the vehicle to cut power—the controller's display will go blank.
- If the power doesn't cut off promptly, lock the vehicle with your smart key. This action will turn off the power.
- Press and hold any button, unlock the car and turn the ignition on.

In either case, the control module turns on and displays the Service menu. **Press the ◀ back button** to exit. XLifter then restarts in standard mode.

6.2. Service menu items

1. Keylock [ACTIVE! / inactive]

- Toggle the key lock on or off. Once locked, keys can only be unlocked through this menu.

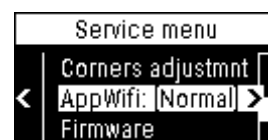
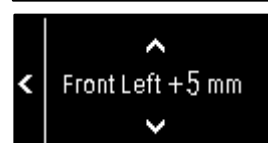
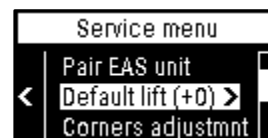


2. Pair EAS unit

- The control module and XLifter EAS unit are pre-paired. Use this function to pair them after replacing either unit.
- Initiates a Bluetooth scan. Pair only with the "XLIFTER EAS" device.

3. Default lift (+xx)

- Set the default startup lift from -15 mm to +55 mm. The XLifter applies this setting after a reset, battery disconnect, or if the controller is "offline" for more than 5 minutes.
- Ideal for tyres larger than 32 inches, effectively replacing mechanical lift rods.



4. Corners adjustment

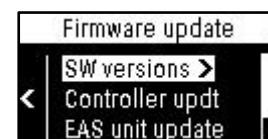
- Adjust each wheel independently by ± 20 mm.
- Useful for temporarily correcting poor vehicle height calibration. Get a proper calibration with diagnostic tools as soon as possible.
Do not use this feature if you don't need to.
- A small arrow in the shock absorber graphics indicates an active offset.
- This feature does not increase the total available lift.

5. AppWiFi [Always On] | [Normal] – Access point for mobile APP

- Select [Always On] for a continuous WiFi connection, useful for vehicles with built-in tablets.
- **Leave this set to [Normal] unless needed**, to avoid excessive power consumption or heating of the controller.
- **Always set to [Normal] before performing firmware updates.**

6. Firmware

- **SW Version:** Displays firmware versions.
- **Controller Update:** Updates firmware for the control module.
- **EAS Unit Update:** Updates firmware for the EAS unit.
- **Serial Numbers:** Displays serial numbers of the EAS unit and control module.
- **Comm Firmware:** Shows Bluetooth module firmware details.



7. Clear calibration

- Resets the XLifter calibration to its factory state.
- Required when transferring XLifter to another vehicle or before selling it.

8. Debug [ON]/[OFF]

- Replaces the shock absorber graphics with voltage readings from each wheel height sensor for diagnostics.

7. Firmware update

The control module uses built-in WiFi for firmware updates. A new binary file containing firmware for both the control module and EAS unit is uploaded to the control module through a web browser.

If the control module detects new EAS unit firmware upon power-up, an upgrade prompt appears. Alternatively, you can manually initiate an EAS update from the Service menu.

Control module update procedure:

1. Download Firmware:

- Download the latest firmware to your phone or laptop. Save it in a folder such as “My Files” or “Downloads”. On an iPhone, save it under “On My iPhone”, not iCloud Drive.
- Ensure the file is saved to internal storage, as your device won’t have internet access during the update.



2. Initiate Update:

- Open the Service menu, select “Firmware” ►, then “Controller updt” ►.
- The control module creates a local WiFi network named “XLifterC”. The password appears on the second display line, after “p:”.

3. Connect to WiFi:

- Connect your device to “XLifterC”. Ignore warnings about no internet access. You may need to disable settings that automatically disconnect from WiFi networks without internet access.

4. Upload Firmware:

- Open a web browser on the connected device and enter “192.168.4.1/update” in the address bar. If the page doesn’t load, disable mobile data and try again.
- On the webpage, click “choose file”, select the downloaded firmware file, then click “update”. The control module updates and restarts automatically.

EAS Unit Update Procedure:

1. Start Update:

- In the Service menu, select “Firmware” ►, then “EAS unit update” ►.
- The screen shows the current and new firmware versions.

2. Confirm Update:

- Confirm by selecting “START UPDATE” ►.
- Monitor the progress on the display; the update takes about 1 minute.
- When complete, “Update successfully finished!” appears.



3. Exit:

- Press the back button ◀ twice to exit the Service menu. The control module restarts in standard mode.



Warning: Do not turn off the ignition during the update. This could corrupt the EAS unit firmware and “brick” the unit. If this happens, follow the emergency repair procedure below.

Emergency Repair of a “Bricked” EAS Unit:

If interrupted programming “bricks” the EAS unit, the control module usually shows “Synchronizing” for 1 minute, then times out. To recover it:

1. Access EAS Unit:

- Open the footwell cover (D5) or rear junction box cover (Def 110, RR, RRS) to reach the EAS unit and its cable loom.

2. Initiate Recovery:

- Start the EAS unit update as usual. The controller displays “Synchronizing”.
- Within 1 minute, while “Synchronizing” is displayed, disconnect and reconnect connector C at the EAS unit. This resets the unit, starts the bootloader and resumes programming.
-

For the latest firmware updates, visit www.xlifter.com/firmware.

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8. Technical specifications

XLifter X2 EAS unit				
Parameter	Min	Typ.	Max.	Unit
Temperature range	-40	-	80	°C
DC input voltage	10	13.3	16	V
Input current	0.5 (sleep)	40	120	mA
Wheel sensor input voltage	0	-	5	V
TX output power (EIRP) / frequency range (wireless comm.)	-4 / 2.400	0 / -	6 / 2.4835	dBm / GHz
Wheel position adjustment range from calibrated height (front/rear axle)	-80 / -120	-	130 / 180	mm
XLifter X1 control module				
Temperature range	-30	-	70	°C
DC input voltage	5	13.3	16	V
Input current	-	40	150	mA
TX output power (EIRP) / frequency range (wireless comm.)	-4 / 2.400	0 / -	6 / 2.4835	dBm / GHz

Declaration of conformity



eXpedition tech s.r.o. hereby declares that the XLifter X2 EAS unit and XLifter X1 control module comply with EU Directives 2014/53/EU, 2014/35/EU, 2014/30/EU and 2011/65/EU. These devices also comply with: ETSI EN 300 328, ETSI EN 300 440, ETSI EN 301 489-1, ETSI EN 301 489-3, EN 55032, EN 55024, EN 62368-1, EN 50581.

For more details, visit https://www.xlifter.com/ce_compliance/.

Countries with restrictions on radio operation

	AZE
	RUS
	UKR

XLifter is a radio device that may be operated under CTU General Authorisation VO-R/10/xxx (Czech Republic) or European Recommendation ERC REC 70-03, as applicable. The country codes listed after the symbol identify countries where use of the radio band specified in the technical specifications is restricted for this equipment. Contact your local distributor or telecommunications authority for details.

WEEE disposal instructions



Correct Disposal of This Product (Waste Electrical & Electronic Equipment) (Applicable in countries with separate collection systems)
This marking means the product must not be disposed of with household waste. Take it to your nearest household waste recycling or civic amenity centre.

9. Warranty conditions

The warranty is subject to generally accepted warranty terms. The product's appearance, functionality and completeness are checked before shipment. Claims must be submitted to the seller within the two-year warranty period, starting from the date of sale.

10. Contacts and support

If you need help or suspect that something is not working correctly:

- Visit our online FAQ with over 40 questions: <https://www.xlifter.com/faq/>
- Join the “**XLifter user support group**” Facebook group:
<https://www.facebook.com/groups/XLifterSupport>
- Email us at info@xlifter.com or contact your dealer.

Space for your notes:

Date of production:

Date of sale/installation:

Serial number:

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seller