

# Operation Manual

for end customers

LEINER

**Q.bus®**

*Congratulations!*

*You have decided to buy a quality product from LEINER. Please read this operation manual before use to derive a lot of pleasure from our product.*

*We wish you many happy hours with your new pergola awning!*

*Kind regards  
LEINER GmbH*



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## Safety instructions

Safety instructions can be found in the relevant passage of the text. They are marked by a symbol:



### Important safety notice:

This warning triangle marks notices indicating a hazard that may cause death or serious injury, or that are essential to the operation of the pergola awning.



### Important safety notice:

This warning triangle marks notices indicating a hazard of electric shock that may lead to death or serious injury, or that are essential to the operation of the pergola awning.

## Reading the operating and safety instructions

The operating instructions must be read and observed before operation. For the safety of persons, it is important to adhere to the instructions contained in these documents.

All instruction manuals must be kept by the customer and handed over to the new owner if the sunshade is transferred to a third party.

## Intended use

The pergola awning is a sunshade and may only be used for its intended purpose. Misuse may result in significant hazards.

Alterations, such as attachments and conversions, which are not intended by the manufacturer, must only be carried out with the written approval of the manufacturer.

Additional loads to the pergola awning caused by attached objects or rope anchoring can lead to damage or result in the fall / collapse of the pergola awning and are therefore not permitted.

## Operation



It must be ensured that children or people not able to correctly assess the hazards caused by misuse do not operate the pergola awning. Radio remote controls must be kept out of the reach of children.

Please also observe the settings and operating instructions of the motor, switch and controller manufacturer, which are supplied separately.

To extend and retract the pergola awning, press the switch in the corresponding direction until the desired position has been reached.

In the case of frequent extension and retraction in quick succession, the motor may overheat and stop (automatic thermal protection switch). Once it has cooled down, the motor is ready for operation again without any action required.

## Use with wind



The pergola awning meets the requirements of the wind resistance class specified in the enclosed CE conformity marking. Which wind resistance class has been achieved following assembly depends crucially on the type and number of fasteners as well as the mounting surface involved.

The pergola awning may only be used up to the wind resistance class declared by the assembly company. This may deviate from the wind resistance class specified by the manufacturer.

**For an explanation of the wind resistance class please have a look at the Beaufort wind scale.**

### Use with rain



If the inclination of the pergola awning is less than 25% = 14°, measured from the horizontal, it must not be extended when it rains. There is a risk of a water pocket forming in the awning fabric, which may damage the pergola awning or cause it to collapse.

**Note:** From a downfall > 3,000 mm limited water drainage (formation of water pockets possible)! Press out any water pocket that has formed, observing the safety instructions. Only then completely retract the horizontal awning and then the vertical awning.

If the pergola awning was retracted with a wet cloth, it must be extended again as soon as possible for drying; failure to do so may result in material damage.

### Use with snow and frost



The pergola awning must not be extended if it snows or there is a risk of frost. There is a risk of the pergola awning being damaged or falling / collapsing. Automatic control must always be switched off if there is a risk of frost.

### The awning fabric

The fabric of your pergola awning has undergone many checks; at the weaver's, at the manufacturer's and during the awning installation. Nevertheless, you may notice irregularities in the surface uniformity of the fabric. You might notice small knots, slubs, slight colour variations between the fabric panels and colour differences compared to the sample collection, creasing as well as some rippling of the fabric. Such appearances are not errors that have been overlooked during the many checks, but rather material-related and technically unavoidable. They therefore do not entitle the purchaser to refuse delivery or demand a price reduction either.

### Leaves and foreign objects



Leaves and other foreign objects on the awning fabric and in the guide rails must be removed immediately. There is a risk of the pergola system being damaged or falling / collapsing.

### Obstacles



There must be no obstacles in the extension area of the pergola awning. There is a risk of crushing here.

### Automatic control



#### Important safety notice:

The pergola awning must never be extended unsupervised. Automatic control may fail under extreme conditions (e.g. power outage, defects, sudden storm). There is a risk of the pergola awning being damaged or falling / collapsing.

**Recommendation:** When absent, set the automatic control to manual mode and leave the pergola awning retracted.

### Operation in the event of a power outage



A motorised pergola awning cannot be retracted without power. In windy areas with frequent power outages, you should consider using an emergency power supply.

## Cleaning and maintenance work in the extension area of the pergola awning



Motorised pergola awnings can be started unintentionally. It must be ensured that the pergola awning is switched off (e.g. switch off the fuse) during cleaning and maintenance work (e.g. building cleaner).

When pergola awnings are operated by more than one user, a priority switched locking device (controlled external power interruption) that prevents any extension or retraction of the pergola awning must be activated.

## Care

The metal parts of your pergola awning have received sufficient surface protection. Anodised and coated parts remain attractive for longer if they are regularly wiped with a soft wool cloth.

Heavier dirt on coated parts may be removed with common paint cleaners for cars.

You can brush off dirt on the awning fabric caused by air pollution when dry. Smaller local stains can be brushed off after drying and then carefully removed using a colourless eraser.

## Maintenance



Safe and risk-free use of the pergola awning can only be guaranteed if it is regularly inspected and maintained. Observe the maintenance instructions and maintenance intervals.

The pergola awning must be regularly inspected for signs of wear or damage to the cover and frame.

If damage is found, the specialist dealer or a suitable service company must be tasked with the repair. Pergola awnings in need of repairs must not be used.



Regularly inspect the pergola awning for signs of wear or damage to cables.

If damage is found, the specialist dealer or a suitable service company must be tasked with the repair. Pergola awnings in need of repairs must not be used.

## Spare parts



Only use spare parts approved by the manufacturer.

## Dismantling and disposal



When dismantling and disposing of the sunshade, the parts under tension (e.g. counter-tensioning systems) must first be completely relaxed or secured against unintentional extension. A suitable specialist company must be commissioned for this purpose.

## Noise level

The noise level of this pergola awning is less than 70 dB(A) when not installed.

### CE conformity mark

A CE conformity mark is attached to the pergola awning at a suitable position.



### What to do if something malfunctions

Malfunction	Cause	Solution
Pergola awning does not retract / extend	Power connection faulty	Have specialist check power connection.
	Power cut off by fuse: <ul style="list-style-type: none"> <li>• in the domestic power supply system</li> <li>• in the motor</li> </ul>	Have electrician check fuses and replace them if necessary.
	Motor has switched off due to frequent retracting / extending (thermal protection)	Let the motor cool down.  If necessary, adjust the control (sun / wind sensor).
Material of the counter-tensioning system sags	Motor limit switch error	Have the limit switch corrected by a specialist dealer according to the instructions.
	Leaves, foreign objects on the pergola awning	Remove leaves and foreign objects from the pergola awning.
	Insufficient belt tension	Have the belt tension checked by a specialist dealer and increase it by additional wrapping, if necessary.
Diagonal folds in the fabric. The front profile of the vertical awning is crooked.	Mounting surface uneven. Base frame of the Q.bus® not aligned.	Fully align the base frame. Correct height of supports with suitable bases.

If no solution is possible, please inform your specialist dealer.

We reserve the right to make changes to colours, materials and technology.

**For your notes**

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