



LADEBOY S2

Wheelchair loading systems

TECHNIK  
**RAUSCH**



**Living means to be in motion.**

Find out what really moves you.

The LADEBOY S2 has been developed to keep your independency, to accompany you in your daily routine and to treat your health with care.

Already a thousand times approved the Ladeboy-technique accompanies more than a decade many people safe and reliable in their everyday life with the transportation of the wheelchair in the vehicle.

Over the years we listened very carefully, learned where you want to go and therefore where we must go.

The LADEBOY S2. The 2nd generation leaves nothing to be desired. A new era of agility has begun.

- › **It is safe**
- › **It is faster**
- › **It is more comfortable**

Get surprised.

The need of loading and unloading of the wheelchair has become absolutely effortless.

We change with you.



» We listened very carefully, learned where you want to go and therefore where we must go. «

LADEBOY S2



To open the sliding door and to **slide** your wheelchair behind the driving seat, just push a button on your radio remote control.

### **Fascination by speed**

Due to the newly developed drive unit this process takes just a view seconds.



Just push a button on your remote control ...



... and both the automatic sliding door ...



... and your wheelchair move.

## **Fast and comfortable**

... due to optimized installation position and new ergonomic shaped operating elements.

Optimized installation position and new, ergonomic shaped operation elements of the LADEBOY S2 make the loading of the wheelchair from the seat more comfortable than ever.

The LADEBOY S2 has been developed especially for foldable wheelchairs. So that wheelchairs with electric motor like e-fix and e-motion can be loaded without any problems.

we designed the reinforced version – the LADEBOY S2 Maximum.

**The installation is suitable for all vehicles with 4 doors minimum.**



Your wheelchair is invited quickly...



...thanks to new drive unit...



...and is in comfortable position ready.

» Thanks to the newly developed drive unit this process takes just a few seconds «

LADEBOY S2



**Unique: the patented fully automatic wheelchair fixation.**

The fully automatic wheelchair fixation requires of any kind of strenuous efforts and offers you the highest possible ease of use.

With the two-step handling – start, push a button – the loading reaches a new dimension.



Hit the wheelchair



Press the button



Finish

The particularity of the LADEBOY S2  
... you will love.

### **Optimal and easy handling**

A valuable support offer the distinctive positioning aids. This new technique persuades as a secure guidance which enables to move to the S2 easily and precisely. Due to the selection of the material the sensitive grip rings are protected optimally.

### **Faster**

The speed of the loading system and of the swinging door is noticeable faster. The loading times are significant abbreviated.

### **Perfect handling**

The wheelchair stands closer to the driving seat and therefore is reachable much better.

### **Remarkable**

No further attached parts will be mounted. Another new retraction is carried out at the push-handle. The maximum usage of space enables to consider greater measurements for wheelchairs. The height of the handles can be higher up to 8 cm.

### **Niveau-control**

Varying loading condition of the vehicle is regulated automatically.

### **Strong performances**

The S2 is available as standard version with lifting weight up to 20 kg and as maximum version with lifting weight up to 38 kg. This means that, in addition to the light wheelchairs, wheelchairs with electric motor (e-fix and e-motion) can be loaded with the S2 Maximum.



The new fixing unit.



Faster than ever.

» With fully automatic wheelchair fixation «

LADEBOY S2



We thought of everything.

Especially of you.



### Radio remote control

The operation of the complete wheelchair loading is done by a radio control unit with easy to use buttons. Thereby an easy and location-independent usage is possible. In addition there is a switch firmly installed sideways under the steering wheel which has the same features.

### Plus in terms of light

The "plus in terms of light" ensures good lighting conditions in all situations. The opened driver's door is also visible over a long distance to other road users and therefore is for your safety.



### Automatic fuses

Thanks to new automatic thermal fuses a replacement due to overloading is not necessary. After two seconds the fuses work again.

### Emergency operation

With our emergency operation system loading is possible without electricity.

### Clamp protection

For your protection both the swinging door and the automatic sliding door are equipped with a clamp protection.

### Maintenance-free

Once installed the LADEBOY S2 needs no regular maintenance.



„Plus in terms of light“



Emergency operation



The new radio remote control

» For your highest protection and comfort «

LADEBOY S2

### **The swinging door**

The left door behind the driver's door is modified to a swinging door – a kind of sliding door. For this a reliable and compact pivoting mechanism is installed at the original door which ensures that the door opens and closes automatically. This door modification does not affect the available number of seats hardly and can be used without the LADEBOY S2.

### **Standard sliding door**

VANs which already have a standard sliding door will be equipped with an electro-pneumatic motor so that this sliding door can be opened and closed again with pushing a button.

### **Useful**

The central locking remains as the electrical window lifters and the side-impact protection. On the outside the car does not differ from other vehicles.



**Great emphasis is put on discretion.**

On the outside the car does not differ from other vehicles.

**Great emphasis is put on flexibility**

The LADEBOY S2 is removable with just a few steps, if this space is needed for different purposes. Apart from that the modified vehicle can be completely rebuilt back again, e.g. in case you intend to sell your vehicle again.

**Comfortable**

Three comfortable seats are available in your vehicle. A dividing wall which is installed between the LADEBOY S2 and the remaining 3rd seat is intended to protect your passengers.

Vehicles which do not have standard divided back seat the new seat area will be made by our car-upholsterer.

**Essential**

The trunk with its loading volume remains unchanged and therefore is receptive for everything that is important for you.



For everything that is important for you.

# LADEBOY S2



No matter what car you drive

... as long as it has four doors everything is possible for us.



### **More seats**

On some vehicles the LADEBOY S2 can be equipped – on request – with a rotating module and therefore offers 4 seats. Just a small part of the trunk is used.

### **The rotating module is currently deliverable for the following vehicles**

Citroen C4 Picasso, Ford Galaxy 2, Ford C-Max, Ford S-Max, Hyundai Getz, Mercedes-Benz A-Klasse, Mercedes-Benz B-Klasse, Peugeot 307 SW, Renault Kangoo, Toyota Aygo, Toyota Corolla Verso, VW Touran.

### **Reasonable equipment**

#### **Split battery for e-fix.**

On wheelchairs with e-fix motor the battery can be removed for folding. An easier alternative is in conjunction with the split battery. The wheelchair can be folded and loaded together with the battery. Details that inspire.



## Special solutions

... for your desires.

In order you have just one contact person we equip your vehicle with the necessary driving aids of leading manufacturers.

On request we offer a transfer service (pick up and bring-service).

Our base dealers serve you nationwide and in the foreign countries of Europe.

Whether height-adjustable push handles, removable back tubes or removable foot rest, no problem for us.

The requirements are individual as well as their claims. We offer you the freedom you require.

Make life easier.

It will be a pleasure for us to advise you.



A human is never standard.

LADEBOY S2

How about a few days off here in Balingen,  
while we modify your vehicle to your demands?

Meanwhile we offer you a rental car which is  
already equipped with a LADEBOY S2 loading  
system and a gas ring.

Thus you can take the opportunity in advance  
to get familiar with the new system and to enjoy  
your new gained freedom.



Our service for your new gained freedom and independency.

LADEBOY S2



### Loading of rigid wheelchairs (unfolded) with the LADEBOY S2

This version of LADEBOY S2 has been developed especially for the loading of a rigid wheelchair. Even wheelchairs with electric motor like e-fix and e-motion can be loaded as well without any problems. On e-fix motors the battery has to be removed for loading. Alternatively it is possible to modify the e-fix to split battery. Therefore the wheelchair can also be loaded with the battery.

When an unfolded wheelchair is loaded a VAN with an already standard sliding door is necessary. On request this door will be equipped with a motor so that it can be opened and closed by pushing a button. A very smart solution in conjunction with the wheelchair loading system LADEBOY S2.

The following cars are suitable for this modification:

Citroen C8	Ford Grand C-Max
Kia Carnival	Lancia Voyager
Mazda 5	Mercedes Vaneo, Vito, Viano
Peugeot 807	Renault Kangoo
SEAT Alhambra II	VW Caddy, Caddy Maxi, Sharan II, T5



You can trust in this partner.

## Specifications

LADE BOY S2 Standard:	Max. weight of wheelchair 20 kg (for foldable wheelchairs).
LADE BOY S2 Maximum:	Max. weight of wheelchair 38 kg (for foldable wheelchairs with e-fix or e-motion). Special solution up to 50 kg possible.
Net weight:	20 kg / 24 kg.
Installation dimensions (L x W x H):	From 82 cm x 17 cm x 10 cm up.
Duration of loading:	ca. 10 sec.
Power consumption:	ca. 0,03 Ah.
Vehicle:	All vehicles/VANs with 4 doors, all VANs with standard sliding door, trunk remains usable; vehicle can be rebuilt back again.
Wheelchair:	Foldable wheelchairs with removable foot rests. Suitable are e-fix or e-motion motor. The permitted wheelchair measures are dependant on the type of vehicle. On certain vehicles it is possible to have rigid foot rests.
Swinging door:	Modification of the available, left, rear door to pivoting mechanism. Motor via electro mechanism with clamp protection and reverse mode. Central locking, window lifter, side impact protection etc. remain. On some vehicles the hinges of the rear door are removed. Opening and closing is done by pushing a button. Power consumption: ca. 0,08 Ah. Time to open ca. 5 sec.
Sliding door:	The standard sliding door of a VAN is opened and closed by an electro- pneumatic motor automatically. With clamp protection and reverse mode. Power consumption: ca. 0,07 Ah. Time to open ca. 10 sec.
Standard equipment:	Motor for swinging or sliding door, dividing wall for the protection of the passengers, clamp protection, remote control, emergency lighting, niveau-control (4 cm), automatic securements, automatic grip clamping.
Optional equipment:	Divided back seat, if not standard available, swinging module for keeping the 4 seats.



I like to enjoy my independency.



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