

Our Vision – Your Comfort and Safety



**PC2 Portable Lift Operating Instructions**



Serial No. ....

HORCHER GMBH

## Introduction

Thank you for purchasing the Horcher PC2 portable lift. Please take the time to read this manual carefully and to familiarize yourself with its contents before using the PC2 for the first time. If anything is unclear or if you require further information please contact your authorized Horcher lift distributor before using it.

The Horcher PC2 portable lift has been designed and manufactured to the highest standards and has proven itself to be an invaluable aid to thousands of people with restricted mobility and their caregivers over many years. Capable of being installed in almost unlimited configurations from simple single track systems to room covering transversals, one PC2 can be used in multiple locations e.g. the home, workplace or almost anywhere that you desire.

### **EC-Declaration of Conformation**

Further to Annex VII of the Council Directive 93/42/EEG of the 14th of June 1993 relating to medical devices

Horcher GmbH of Philipp-Reis-Str.3, 61130 Nidderau, Germany declare

#### **CEILING LIFT SYSTEM „UNILIFT“**

to be in compliance with the essential Requirements of the Council Directive 93/42/EEG of 14 June 1993 Annex 1.

Nidderau, 04/06/1996

Stefan Horcher  
Managing Director  
Horcher GmbH

## IMPORTANT SAFETY INSTRUCTIONS

We do not recommend using the PC2 lift independently. If it has to be used independently, please ensure that you have some form of back up safety system e.g. cell phone, emergency call systems.

Before lifting always tell the patient what you are going to do and, where possible, make sure that the patient is willing to help.

Make sure that the transfer path is clear of obstacles e.g. furniture, pets etc.

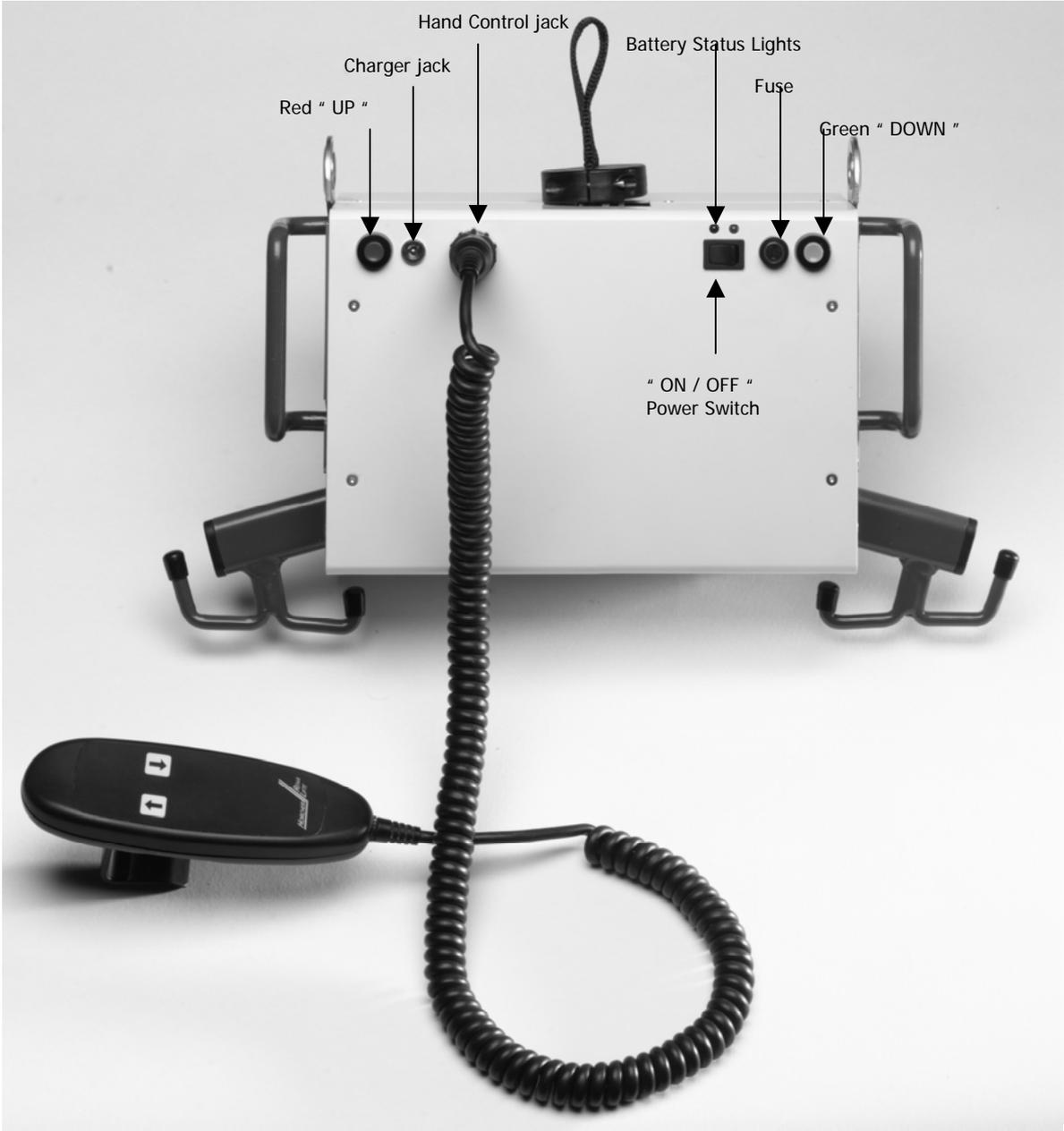
Before lifting make sure that all straps of slings are connected to the hooks on the lifting box and that the shoulder straps are of equal length and the leg straps are of equal length.

Before use visually check the track, lift and sling. Do not use if you notice any defect.

Make sure that the lifting strap is directly above the patient before you commence lifting. Doing otherwise will cause the patient to sway.

Do not use strong detergents to clean the lift.

Using unauthorized equipment with the PC2 or repairs carried out by unauthorized personnel may result in personal injury and will also void any or all warranties and guarantees.



## IMPORTANT OPERATING CONTROLS

### “ON/OFF” BUTTON:

- Turn power ON by depressing the right side of the black switch located under the two light bulbs on the upper right side of the Lift Box. When power is on, the green light bulb located over the black switch will light.
- To power OFF, depress the left side of the black switch located under the two light bulbs on the upper right side of the Lift Box. When power is turned off, the red light bulb located over the black switch will turn on briefly, then fade out.
- ALWAYS turn lift OFF after each use.

### RED AND GREEN “UP/DOWN” AUXILIARY CONTROLS:

- Push RED button to lift patient.
- Push GREEN button to lower patient.

NOTE: Tension must be applied to the lifting strap for either RED or GREEN button to work.

### WIRED HAND CONTROL:

- Plugs into top left side of lift box.
- Lifting/Lowering - Press ↑ “Up” button to raise the patient.  
Press ↓ “Down” button to lower the patient.
- The Hand Control has a 9 Pin Jack and it can only be plugged in one way. Use the collar nut to fasten the hand controls to the lift.

### BATTERY STATUS INDICATION LIGHTS:

If the green light is on, the battery is charged. If the red light comes on, the battery is low and should be charged immediately.

### CHARGER JACK:

This is where the charger cord plugs in to recharge the lift. You cannot overcharge the battery and we recommend plugging the charger cord into the charger jack after each use to maintain your battery in optimum condition.

**EMERGENCY LOWERING DEVICE:**

In an emergency situation, turn the lift off and use a pen or pencil to puncture the 'Bulls Eye' which is on the lower right side panel of the lift box. Continue pressing to lower the lift strap. When the patient has been safely lowered call your authorized Horcher lift distributor immediately.

UNDER NO CIRCUMSTANCES can the lift be used again until your it has been repaired by your distributor.

UNDER NO CIRCUMSTANCES may the lift be used if the 'Bulls Eye' has been punctured.

**CHARGER FOR PC-2:**

Only charge your battery in a dry area. Place the charger on the floor and plug it into a standard 110-120v outlet. When you plug the charger into the lift box a green charging light will come on. As the battery is charged the green light will dim and eventually go out when the battery is fully charged. You cannot overcharge the battery as the charger automatically shuts itself off when the battery is fully charged. We recommend recharging the batteries after every use.

**INTELLIGENT BATTERY SYSTEM (IBS):**

THE PC2 comes supplied with a HORCHER Intelligent Battery System (IBS). The system is truly intelligent because it saves energy. If the lift has not been used for a few moments, it automatically turns itself off – going into 'sleep mode'. When it goes into 'sleep mode', the green light on the lift will go off and only come back on again when you take the battery out of 'sleep mode' by lifting or lowering again.

Another intelligent feature of the IBS is that it has two recharge warning systems:-

- Intermittent beeping indicates that the battery is low and should be recharged as soon as possible.
- When the batteries are dangerously low, the sound becomes continuous and the batteries **MUST BE RECHARGED IMMEDIATELY**. Failure to recharge battery will damage the battery. If you do not recharge the battery the system will turn the lift off to prevent it from being used until the battery has been recharged.

**FUSE:**

Your Horcher PC2 is supplied with a spare 5AMP fuse. Should the PC2 fail to work, please unscrew the fuse holder with a screw driver or coin to see if it has blown. If it has blown, replace it with the spare.

## FITTING THE SLING

HORCHER has a comprehensive range of slings designed to meet your individual requirements. Please contact your authorized Horcher distributor for further details. The description which follows is for one of our most popular slings – the Universal.

The Universal sling is designed to support the patient's back whilst also providing access to most of the patient's rear end. It consists of a portion that supports the patient's back, and two leg straps. The Universal sling can be applied in either a reclined or seated position:-

To apply the sling in a reclined position either lift the upper body enough to slide the sling behind the back or, alternatively, roll the patient onto their side whilst placing the sling behind their back. Gently roll the patient back onto the sling and pull the sling through to the other side of the body. The leg straps wrap under and up between each of the patient's legs. Alternatively, to adduct (close) the patient's legs pull each strap under both legs and attach to the outer points of the spreader bar.

To apply in a seated position, start at the shoulders and gently slip the sling behind the patient's back. Then work the sling down past the hips and the surface of the seat. The leg straps are wrapped under and up and between the patient's legs as described above. We recommend placing the straps as high up on the thigh as possible to ensure maximum comfort during lifting.

## HOW TO ATTACH THE SLING TO THE LIFT

Like most slings, the Horcher Universal has four straps - two on each side of the sling "shoulders" and two at the bottom, one for each leg. These straps are attached to the hooks on the PC2 lift box. **IMPORTANT** – all four straps must be attached to the lift box before lifting the patient. Normally the shoulder straps are attached to the outer hooks and the leg straps are attached to the inner hooks. To adduct (close) the legs as described above in 'Fitting the Sling', all 4 straps are fitted to the outer hooks.

The straps are fitted with three loops allowing three different strap lengths – long, medium or short. The longer length on the leg straps will place the patient in a more upright position and the shorter length places the patient in a more reclined position. The longer length on the shoulder straps places the patient in a more reclined position and the shorter length in a more upright position. Please consider the patient's comfort and any physical restrictions when deciding which length of straps to use. In all circumstances please ensure that the shoulder straps are of equal length and that the leg straps are of equal length. If you do not, the patient will be lifted unevenly!

## LIFTING AND LOWERING THE PATIENT

To prevent swaying, the lift box should always be positioned directly above the patient prior to lifting. Attach the sling to the box as described above. To lift the patient press the ↑ “UP” button on the hand controls or push the red button on the lift box. To lower the patient, press the ↓ “DOWN” button on the hand controls or push the green button on the lift box.

## MOVING THE PC2 FROM ONE TRACK TO ANOTHER

Lower the lift box. We suggest lowering it until it is level with your hip. Place your hand under the lift and rest the box against your hip. Using one arm to support the box, use the other arm to unhook the strap of the lift from the roller bar.

To reattach the lift box to the roller bar, hold the box against your hip and attach the loop of the lifting strap to the hook of the roller bar. Gradually let go of the lift box – do not drop it.

## YOUR PC2 AND WATER SAFETY

Please be careful when using your lift near water and moisture. Exposing the lift box to moisture could lead to a short circuit which could be dangerous. If your lift has been exposed to water, contact your authorized distributor immediately and do not use the lift until it has been inspected.

When bathing, place the patient in the tub and remove the lift box to a dry area BEFORE filling the tub with water. After bathing, drain the tub and dry the patient BEFORE fitting the sling and bringing the lift box back into the room to lift the patient.

## LOOKING AFTER YOUR PC2

When lifting please take care to ensure that the lifting strap is not twisting as it is wound into the lifting box. We recommend that the lifting strap should be replaced every twelve months even if no wear and tear is evident.

Check that the battery is charged every day. You cannot overcharge the battery. If looked after properly, the life of a battery can be several years.

Visually check the lifting box, track and sling every day.

Check slings on a daily basis for soiling. When washing the sling follow the instructions on the sling label.

If any accidental damage to the sling is noticed, replace it immediately. Do not try to repair damaged slings.

## WARRANTY AND SERVICING

Excepting batteries, slings and the primary lifting strap, all other electrical and mechanical parts of the Horcher PC2 portable lift are subject to a two year warranty from the date of original purchase and installation. This warranty applies to defects arising out of poor craftsmanship or inherent defect and specifically excludes any defects caused by improper use, mishandling or modification to the product. The warranty shall only apply if the installation has been paid for in full. Repair or replacement shall constitute our full liability. This warranty does not affect any statutory rights.

To maintain equipment to the highest standards, Horcher recommend that all purchasers of lifts make arrangements for annual servicing contracts with an authorized Horcher distributor.

## TECHNICAL INFORMATION

Maximum Load .....	160 Kg /350 pounds
Maximum travel distance (up and down).....	210 cm / 7.0 feet
Maximum speed.....	6-8 feet per minute
Battery.....	24 volt DC
Battery Capacity .....	24 V / 1.9ah
Battery charger.....	110 volts/24v-1 AMP
Maximum current.....	10 amps
Warranty.....	24 months
Equipment data	

Inventory-No. \_\_\_\_\_

Equipment \_\_\_\_\_

Type of Equipment \_\_\_\_\_

Factory-No. \_\_\_\_\_

Manufacturer/ Importer Horcher GmbH

Supplier \_\_\_\_\_

Year of purchase \_\_\_\_\_

**A:**

Inventory-No. \_\_\_\_\_

Functional Testing on: \_\_\_\_\_

through: \_\_\_\_\_

Instruction Person Responsible \_\_\_\_\_

Date	Manufacturer/Supplier	Name of the person responsible for Instructions	Signature

**B:**

Personnel / User

Date	Instructors Name	Name of person instructed	Signature

**C:**

Technical Safety Controls

Date	Performed through Person / Firm	Solution	Observation

**D:**

Maintenance Service  
(Maintenance / Inspection / Repairs)

Date	Performed through Person / Firm	Short description of Maintenance

**E:**

Functional disturbances or repeated operating mistakes

Date	Description of problems



Your authorized supplier is:

Supplier stamp



Horcher GmbH has a policy of continuous product development and reserves the right to change designs without prior notice.