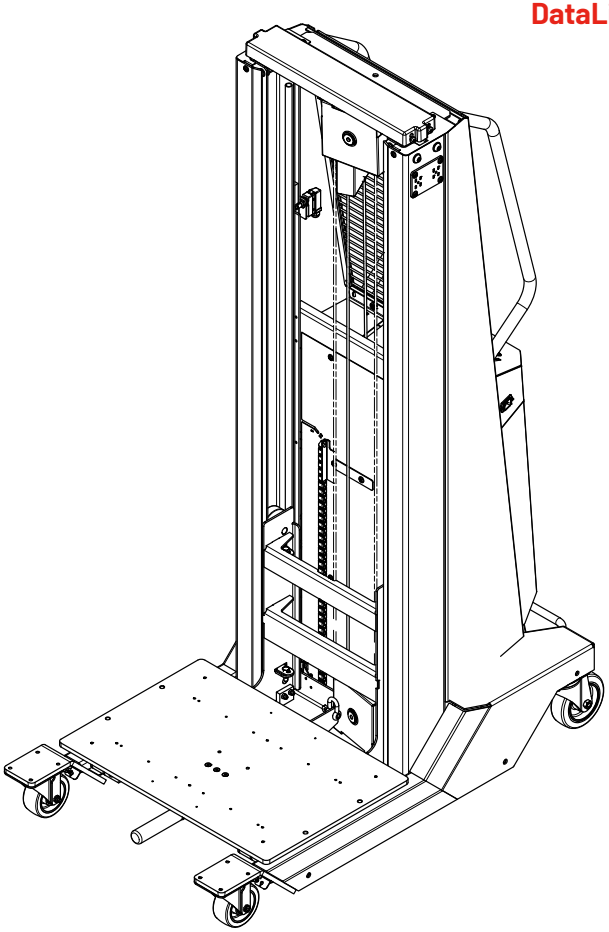
IXOLIFT®

OPERATING MANUAL

DataLift 250



Please read this manual before using the product and follow the instructions it contains

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MAINTENANCE & WARRANTY

INTRODUCTION

Thank you for putting your trust in the Ixolift products. We design all our products to solve all your lifting challenges.

Read the whole manual before using the machine.

Store this manual in a safe and proper way for use in the future.

GENERAL

This product is built for data centres to handle IT devices. Inspect the unit before operation, damaged units are not to be used. This device is used to lift and lower IT devices to the correct height. Do not operate this machine until the operator has read and fully comprehends the DataLift Operating Manual. Please refer to national standards for usage education and training requirements.

SAFETY INSTRUCTIONS

- Read the warning signs on the DataLift and instructions in this manual before use.
- Do no operate the DataLift unless you are familiar with it and trained to do so.
- Do not use the DataLift unless you have checked that it is in perfect condition. Pay particular attention to the cable, wheels, table handle, brake, chassis, control unit, mast, battery etc.
- Do not use on dirty floors or in explosive environments.
- Only work inside where no wind is present.
- Only use on level ground. Do not work on slopes.
- Do not transport persons on the table.
- When lifting the table, make sure that nobody stands or walks under the table.
- Do not move the DataLift when goods are lifted above 500mm.
- Always centre the weight of the goods in the middle and near to the mast.
- Never load one sided. The centre of gravity of the goods should be in the middle of the table.
- Observe the goods during transport. If the goods become unstable and threaten to fall/tilt, stop operation immediately.
- Do not load beyond the maximum weight limit.
- Suitable for indoor operation at a room temperature between +5 °C and +45 °C.
- Carry out the maintenance work according to the inspection schedule.
- The battery should be charged in a dry and ventilated place and away from open fire.

OVERVIEW OF THE MAIN COMPONENTS

1	REMOTE CONTROL	10	MAST
2	DIRECTIONAL LOCK LEVER	11	HANDLE BAR
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7	USER MANUAL COMPARTMENT	16	CABLE CHAIN
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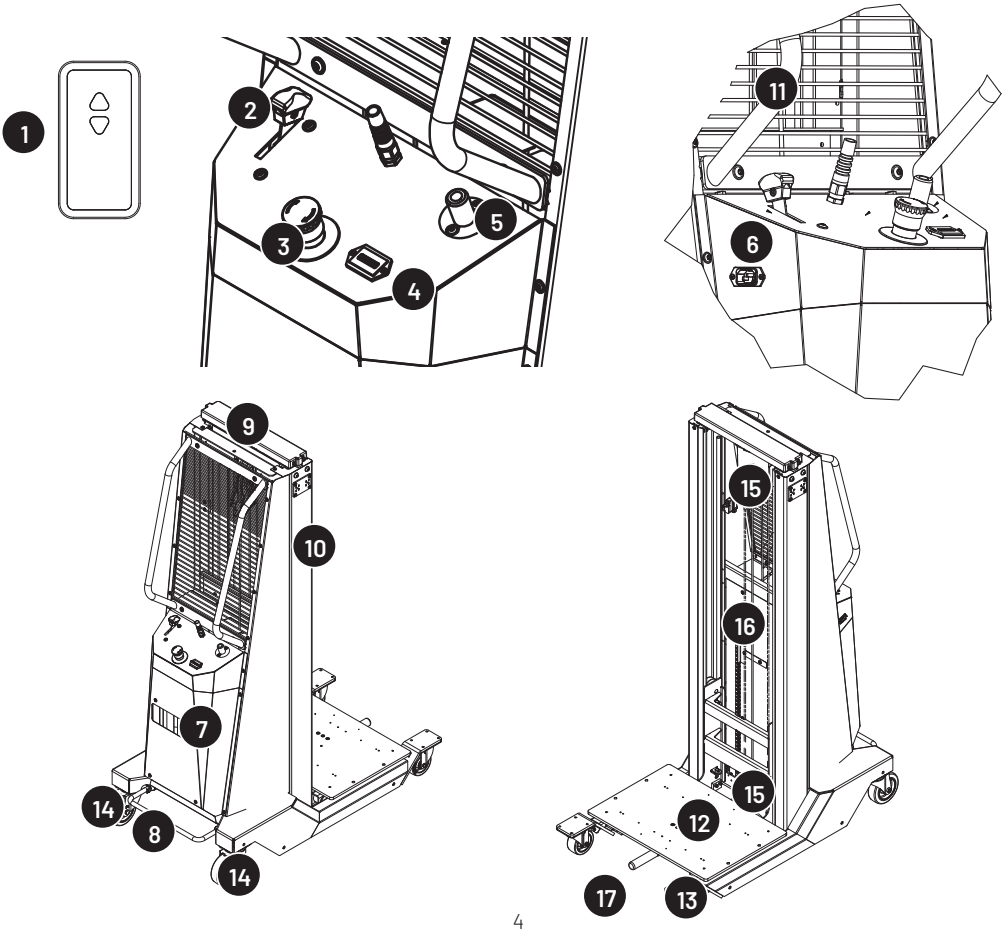


USE OF THE PRODUCT

GENERAL

Only use on level surface and never go under the load.

Always follow the safety instructions of this manual.

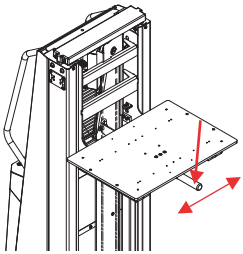
LIFTING AND LOWERING

The DataLift is switched on with the main switch (5). Please always switch off when the unit is not in use.

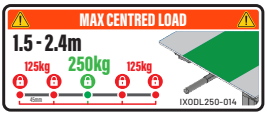
With the push buttons on the remote control (1) the platform can be lifted and lowered, always check the travel path before you start as well as the maximum load. The platform table must be in the centred position when lifting and lowering the platform.

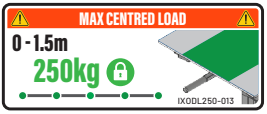
MOVEMENT OF THE PLATFORM

The table handle (17) moves the platform table to the right and left. Move the table handle downwards to unlock the platform and move the table platform.



The max load for using the side travel depends on the lifting height.
Centre load is always 250kg max.
When lifting higher than 1,5m the load needs to be reduced to 125kg for side movement.





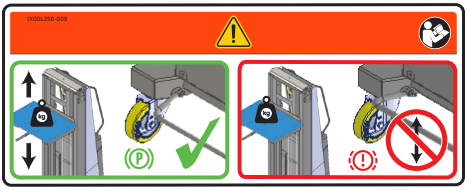
BRAKE

Do not step with your whole bodyweight on the brake.

Max. Load 30kg.

The brake is activated by pushing the brake lever (8) down. In horizontal position the brake is inactive. It is a directional and swivelling brake for the back tires. The front wheels are not affected.

When deactivating the brake on declining ground make sure the DataLift will not roll away.



DIRECTIONAL LOCK

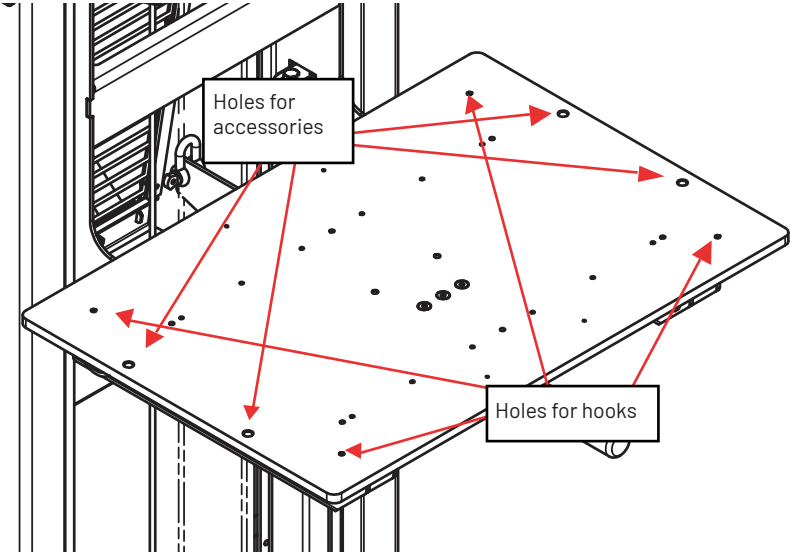
For activation and deactivation of this directional lock the directional lock lever (2) is used.
When pushing the DataLift in a straight line, the front wheels can be locked. The swivelling of the wheel is no longer possible.
There is only one locking position. When the lock is activated, the wheels need to turn until the DataLift moves forward. The wheels will clock when the locking position has been reached. This fixing bolt is spring loaded.
For swivelling mode, the directional lock lever (2) is pulled back.

BATTERY INDICATOR

The battery indicator has 9 segments for indicating the state of charge.
When connected to a wall socket, the battery indicator will always show 100% full.
Do not run the DataLift on low battery! Always keep the battery on trickle charge (plugged in) when not in use.
The lifetime of the battery is dramatically increased when the battery is always fully charged.

ACCESSORIES

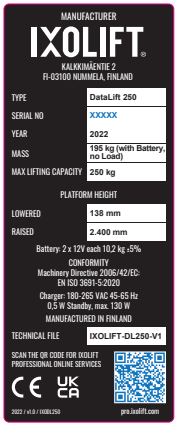
The platform is equipped with 4 holes M10 for fixing accessories.
Read and understand the instructions of the accessories!
On the bottom side of the platform there are holes for attaching hooks if needed.



STICKERS

All safety stickers must be fixed to the DataLift for safe operation.

IDENTIFICATION



PRODUCT DATA

CHARACTERISTICS

TYPE	UNIT	VALUE
DIMENSIONS	MM	1150x640x1700
LIFTING HEIGHT	MM	2400
WEIGHT	kg	195
SYSTEM VOLTAGE	V	24

WHEELS

TYPE	UNIT	VALUE
WHEEL MATERIAL		POLYURETHANE
FRONT WHEEL DIAMETER	MM	100
REAR WHEEL DIAMETER	MM	125

DRIVE

TYPE	UNIT	VALUE
ENGINE POWER	W	600
WINCH LIFTING CAPACITY	kg	250
BATTERY VOLTAGE	V	2x12v
BATTERY WEIGHT	kg	2x10,2k +/-5%
BATTERY CAPACITY	Ah	36
NOISE LEVEL	dB	60

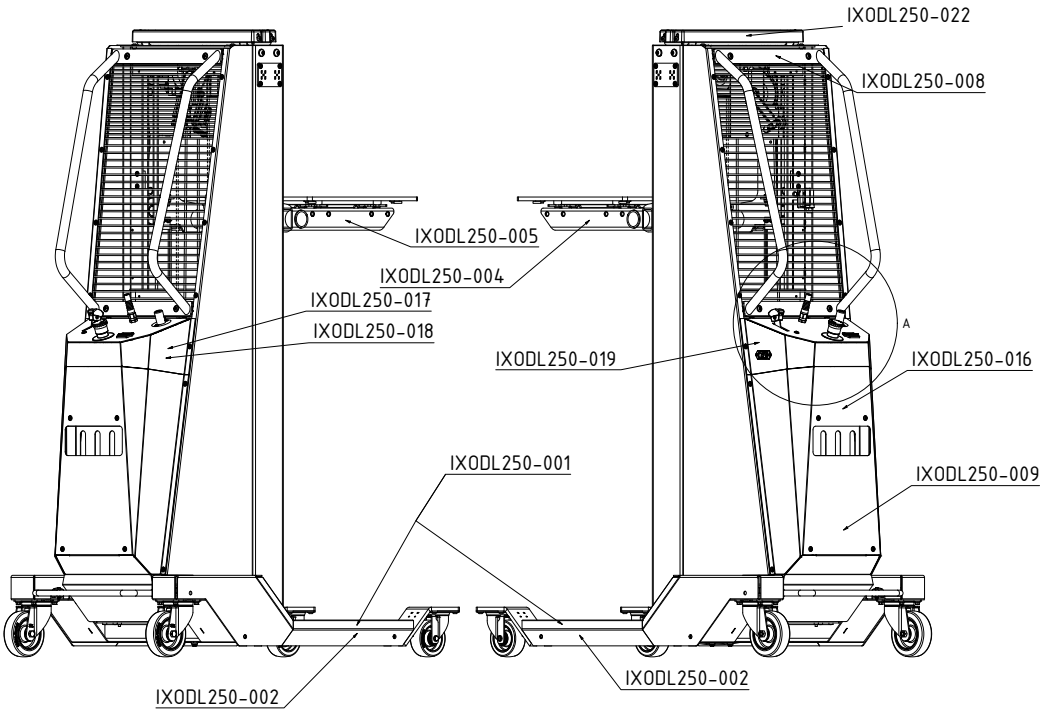
CHARGER

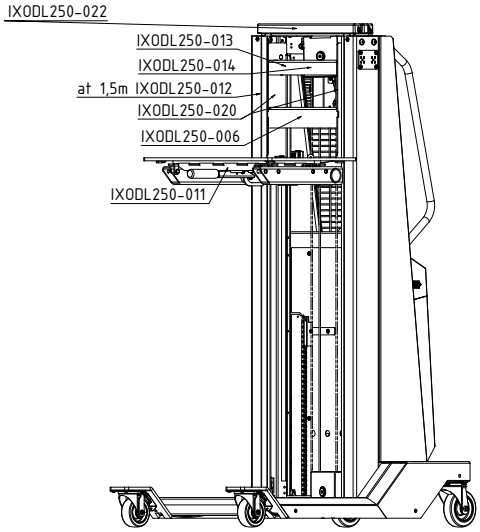
TYPE	UNIT	VALUE
POWER STANDBY	W	0,5
EFFICIENCY	%	94
INPUT VOLTAGE	VAC	180-265
INPUT FREQUENCY	Hz	45-65
SAFETY	Standard	EN 60335-1, EN 60335-2-29
EMISSION	Standard	EN 55014-1, EN 61000-6-3, EN 61000-3-2
IMMUNITY	Standard	EN 55014-2, EN 61000-6-1, EN 61000-6-2, EN 61000-3

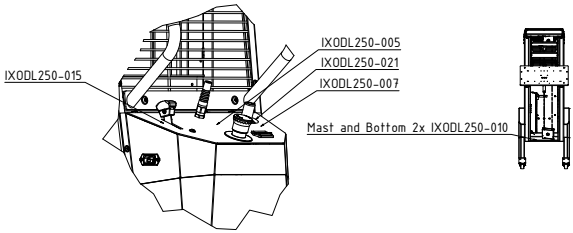
IN CASE OF EMERGENCY

In case of an emergency, press the emergency stop switch (3). All electrical functions are stopped. Maintain a safe distance.

SAFETY PARTS AND WARNING SIGNS



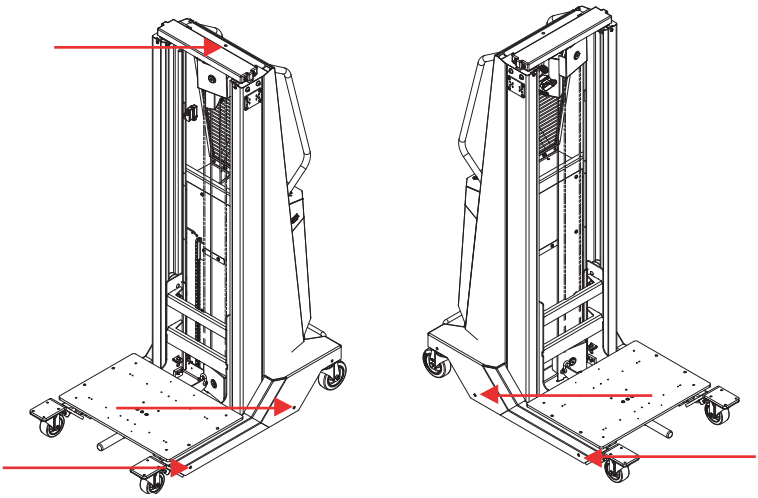




UNPACKING, TRANSPORTATION AND STORAGE

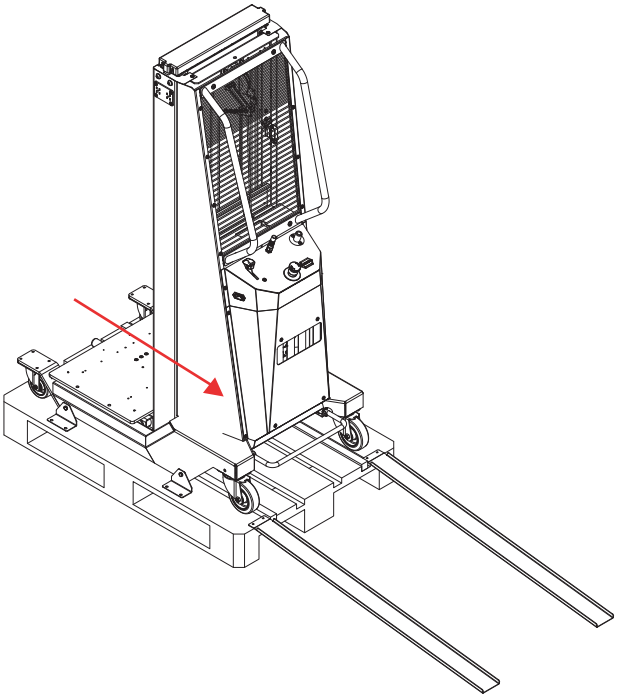
FIXING & LIFTING POINTS

The DataLift is fitted with 4 fixing points for transport and one lifting point. Only use correct screws and lifting tabs.
Screws for fixing: Dimension M8, min. length 20 mm and class 8.8
Lifting: hole width 11mm - use certified lifting hook, for min. 200kg.



UNPACKING

The DataLift is delivered on a euro pallet and fixed with 4xM8 hexagon screws. There are two ramps supplied for unloading.
Only use attached ramps!
Wrench size: 13mm for fixing screws.
Wood screw bit: TX20
Wear safety shoes while working! Drive backwards down the pallet!



STORAGE

The DataLift is build for storage in temperatures of -10°C to 45°C. The limiting factor is the battery. In extreme conditions the lifetime is shortened. Always switch off the main switch and recharge latest after 6 months. The humidity is Max. 90% relative.

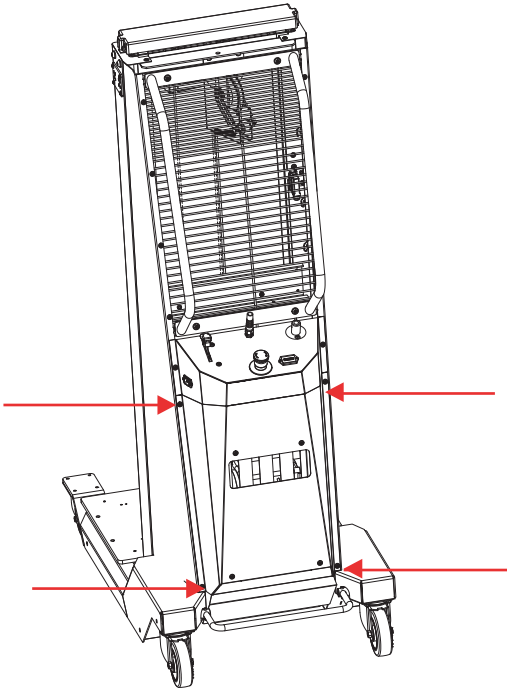
TRANSPORTATION

The unit is fixed with bracket and screw to the pallet. There is a ramp included with the DataLift when supplied from the factory. Do not lift the unit on improper lifting points. Only unload the unit by use of the ramp. Always turn off the main switch during transportation.

MAINTENANCE

OPENING OF THE BACK COVER

Park the DataLift safely, lock the position with the brake (8) and switch off the main switch (5). Loosen the 4 screws on the back cover, remove the back cover.
Do not connect the unit to mains power while the back cover is open!
Clamping risk at the winch!



DAILY OPERATIONAL INSPECTION AND MAINTENANCE

Check the DataLift daily before use, paying particular attention to the wheels and cable. Foreign objects such as cloths, etc. can block the wheels, table, mast or cable. After finishing working with the DataLift and before checking, unload the table and lower it to the lowest position.

- Do a visual inspection for damage to wires, scratches, deformation, cracks or loose screws.
- Check the cable for damage and weakness, also block wheels for free movement.
- Check the condition of the unit when driving straight ahead.
- Check that the wheel moves smoothly.
- Press the emergency stop button to check the emergency stop function.
- Check brake function.
- Press the buttons to check the lifting and lowering function.

CHECKLIST FOR MAINTENANCE / INSPECTION

In addition to the daily inspection is the yearly inspection. National regulations may require additional inspections.
Remove the back cover.

Inspect the cable for:

- Wear or corrosion
- Broken wires
- Uneven strands, crushed parts, knots, uneven diameter

In case of damage do not use the unit until the cable was changed by a technician!

Inspect block wheels:

- Check if there are cracks, wear, bent
- Check fixing rings
- Check bearings for smooth run/noise

Inspect winch:

- Capability of holding the Max. load
- Wear on drum
- Fixing of the cable on the drum. Are the screws tight.
- Min. 5 layers of cable on the drum

BATTERY

The DataLift is equipped with maintenance-free AGM lead battery 2 x 12 V/36Ah. These batteries are maintenance-free and must not be refilled with water.
Note: Please observe the maximum operating temperature of the battery.

CHARGING THE BATTERY

Only charge the battery in well ventilated places!

The DataLift should be charged after each use and in best case it is always connected to power when not in use.

Always disconnect the charger before use!

If the battery is completely discharged, the charging process takes about 6 hours. Avoid discharging the battery by more than 80% of its charge capacity to ensure a long battery life.

REPLACEMENT OF THE BATTERY

Only qualified personnel should repair the battery.

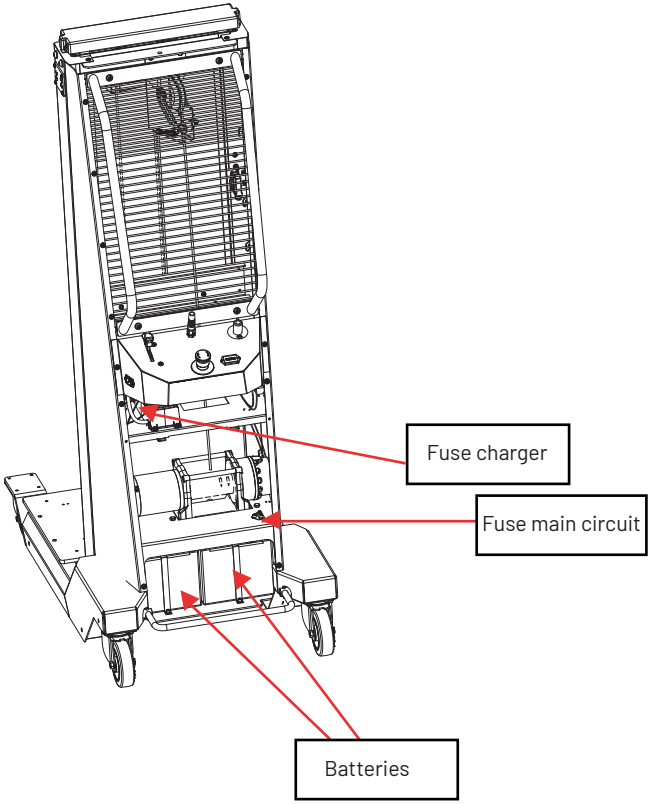
Battery recycling must comply with local laws and regulations. Please comply with these regulations.

Please be sure to follow the operating instructions. Improper handling, e.g., use near fire, can cause an explosion! For this reason, the storage of flammable materials or flammable liquids in the battery charging area is prohibited. Smoking is prohibited and the area must be well ventilated.

Before charging or installing the battery, park the DataLift safely (parking position).
Only the use of the sealed lead acid battery is allowed, the additional battery weight has an influence on the behaviour of the vehicle.

Open the back cover according to the section "Opening of the Back Cover".

Then loosen the screws (negative terminal indicator as , -'), then the screws (positive terminal indicator as , +') and the wiring harness. Next, open the battery holder straps. When removing the battery, do not short circuit the battery! For reassembly, reverse the order. Connect the positive pole of the battery to prevent damage to the DataLift.



FUSE

The DataLift is equipped with 2 fuses, one for the charger and one for the main circuit. If the fuse is blown, make sure to identify the cause and repair!

Fuse Value:

Charger: 20A ATO Blade Fuse yellow

Main Circuit: 25A ATO Blade Fuse clear

TROUBLESHOOTING

Problem	Reason	Solution
No response	Fuse is out	Replace fuse
	Main switch	Enable main switch
	Remote cable broken	Replace remote control
	Emergency stop	Pull emergency reset button to reset
	Winch motor is broken	Replace motor
	Controller is broken	Replace controller
Not lifting	Top limit reached	Lower table
	Collision on top sensor	Check top sensor and go down before again going up
Not lowering	Collision with obstacle	Go up again and remove obstacle
Lifting only a few seconds then stops	Overload	Unload ballast
	Battery is empty	Charge battery to full
Lowering without action	Winch brake worn	Replace winch
Suddenly lifting	Broken spiral cable of the remote	Remove main switch key and replace remote control before starting again
	Broken controller	Replace controller
Not charging	Fault in calbe / grid connection	Check LEDs on charger
	Charger fuse is out	Replace fuse
Locking mechanism does not work	Stuck bowden cable	Remove dirt and check cables
	Locking bolt/clevis damaged	Adjust or replace
Brake does not work	Bolts are broken	Replace connection bolt from foot lever to axle
	Brake pad is worn	Replace wheel and bracket
	Tire is worn	Replace wheel and bracket

SPARE PARTS

According to Spare parts list.

Only use qualified original spare parts!

WARRANTY

The warranty of one year from date of invoice covers materials, manufacturing or construction defects. Damages, which are due to natural wear and tear, improper handling or unauthorized modification are not covered by the warranty. We provide a voluntary functional warranty on the battery for 6 months from the date of purchase.

DECLARATION OF CONFORMITY

UK Declaration of Conformity

MANUFACTURER	IXOLIFT LTD Kalkkimäentie 2 FI-03100 NUMMELA FINLAND
DESCRIPTION	DATALIFT Declaration of Conformity for UKCA-marking
	Type: Datalift 250
	Manufacturing Start: 03.2022
Authorized Representative	Johan Friis
TECHNICAL FILE REFERENCE	IXOLIFT-DL250-Y1
DECLARATION	Ixolift declares that the equipment described herein is in conformity with Supply of Machinery (Safety) Regulations 2008: Harmonised standards used: EN ISO 3691-5:2020 EN ISO 12100:2011 Ixolift declares that the equipment described herein is in conformity with Electromagnetic Compatibility Regulations 2016: Harmonised standards used: EN 61000-6-2:2019 EN 61000-6-3:2007+A1:2011.

SIGNATURE	Johan Friis
DATE	03.2022

UK CA

EC CONFORMITY CERTIFICATE

MANUFACTURER	IXOLIFT LTD Kalkkimäentie 2 FI-03100 NUMMELA FINLAND
DESCRIPTION	DATALIFT EC Declaration of Conformity for CE-marking
	Type: Datalift 250
	Manufacturing start date: 03.2022
AUTHORIZED REPRESENTATIVE	Johan Friis
TECHNICAL FILE REFERENCE	IXOLIFT-DL250-Y1
DECLARATION	Ixolift declares that the equipment described herein is in conformity with Machinery Directive 2006/42/EC. Harmonised standards used: EN ISO 3691-5:2020 EN ISO12100:2011 Ixolift declares that the equipment described herein is in conformity with Electromagnetic Directive 2014/30/EU: Harmonised standards used: EN 61000-6-2:2019 EN 61000-6-3:2007+A1:2011.
SIGNATURE	Johan Friis
DATE	03.2022

CE

IXOLIFT LTD
Kalkkimäentie 2
FI-03100 NUMMELA
FINLAND

+358 20 741 5010
datalift@ixolift.com

www.ixolift.com

IXOLIFT®