



Polairis User Manual

Introduction

Before operating the Polairis system, please read this entire manual carefully—especially the “Cautions” section—to ensure safe and proper use. The Polairis is designed for use with ceiling lift systems equipped with a Polairs HD Quick Release System (PHDQRS) Hook (Note: Required) and compatible tracking systems. Make sure to consult the user manuals provided with these components alongside this manual.

If you have any questions after reviewing this guide, contact your local authorized Polairis representative. Improper use or failure to follow these instructions may result in injury to the user or the person being lifted, as well as possible damage to the equipment. Do not operate the Polairis until you fully understand the information provided.

Store this manual with the other documentation that comes with the Polairis and its accessories. Note: Information in this manual is subject to change without prior notice.

Product Overview

The Polairis is a caregiver-assisted lift device intended to support individuals with limited mobility. It allows safe and comfortable lifting while minimizing physical strain and ensuring the client’s dignity. This device is best suited for users with some level of upper body strength, cognition, head/neck control, hip stability, grip, and core strength.

The Polairis functions as one part of a two-component system and must be attached to a compatible ceiling lift via a PHDQRS Hook (required & sold separately—see page 6 for more details). An installed ceiling lift system is required for use. Refer to its specific manual when using the Polairis.

Please refer to the diagram on the next page to become familiar with the Polairis components.

Specifications

Weight (with Leg Supports): 21 lbs (9.5 kg)

Maximum Load Capacity: 400 lbs (181 kg)

Service Life: 10 years

Note: The maximum safe load for the overall system equals the lowest rated component. For example, if the Polairis is rated at 400 lbs and the ceiling lift at 620 lbs, the system limit remains 400 lbs.

Cautions

Only trained individuals should operate the Polairis and its associated ceiling lift. Improper use may cause serious injury.

Do not allow children to operate or play with the Polairis.

Any unauthorized repairs or alterations void the manufacturer's warranty.

All operators must be properly trained. Facilities with multiple users should implement a training program.

While the Polairis is splash-resistant, avoid prolonged exposure or immersion in water.

Regular inspections and maintenance are essential for safe operation (see "General Inspection and Maintenance").

Always check ceiling lift and accessories for wear or damage before each use. Report any issues immediately.

The Polairis is designed solely for transferring people. Misuse may result in damage not covered by warranty.

Never exceed the stated weight limit (400 lbs). Refer to page 4 or the unit's labeling.

Ensure the path is clear before moving the lifter.

Dispose of the Polairis responsibly after its service life, following local disposal guidelines.



Installing the Polairis HD Quick Release Hook **REQUIRED**

If your ceiling lift does not include a Quick Release Hook, install it as follows:

Obtain a PHDQRS Hook (Part No. phd090321).

Use a 2 mm Allen key to loosen the set screw and remove the pin.

Insert the pin through the lift strap and reattach it to the hook. Tighten the set screw.

Confirm the strap can rotate freely around the pin. You can now connect the Polairis.

Important: Familiarize yourself with your ceiling lift's user guide before proceeding.

Attaching the Polairis

Place the Polairis on a stable surface within reach of the ceiling lift strap.

Lower the ceiling lift strap. If it does not lower on its own, gently pull down on the strap while lowering.

Attach the PHDQRS Hook to the Polairis at the designated attachment point.

Ensure the red locking latch on the PHDQRS Hook is fully closed.

Lift the Polairis and move it to the desired location for use or storage.

Caution: Move the lift with care and avoid obstacles.

Detaching the Polairis

Move the system to a location where the Polairis can be safely lowered.

Lower the lift strap to release tension on the PHDQRS Hook.

Ensure the Polairis is supported on a surface, then release the red latch on the PHDQRS Hook.

Detach the hook from the Polairis.

Raise the lift strap slightly, but leave it within reach. Store the Polairis and lift properly.

Sizing and Attaching Leg Supports

Size Guidelines:

Size	A (Thigh Width)	B (Strap Length)
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Small	5.1" (130mm)	6.3" (160mm)
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Medium	7.3" (187mm)	8.9" (227mm)
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Large	9.8" (249mm)	12.3" (312mm)
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Measure the thigh halfway between the hip and knee.

Use the sizing chart to determine the correct leg support.

If between sizes, choose the larger one.

Attaching Leg Supports:

Feed the strap through the back of the support with the buckle facing outward.

Thread it through the buckle from bottom to top, then release.

Loop the strap through the slider, reverse direction, and secure.

Position the leg supports on the torso support bar, openings outward, and secure using O-rings.

Repeat for the other leg.

Adjust both straps to equal lengths.

Transferring a Client

Caution: Review the ceiling lift's manual before attempting a transfer.

Position the Polairis in front of the client. Lower the lift until the torso pads are 3 inches below the underarms.

Slide the torso pads under the arms around the ribcage. Place leg supports under the thighs with openings facing outward.

Adjust leg support placement for optimal angle and comfort.

Raise the lift just high enough to clear surroundings. Watch for strap slippage.

Move the client to the desired location using the ceiling lift controls.

Lower the client safely and ensure proper support before removing the leg straps.

Detach leg supports and move the Polairis away.

Caution: Ensure client's head doesn't hit the top of the Arm Support Bar while lowering.

Do not place fingers in the scissor mechanism.

There are no contraindications for use if operated as recommended. However, a client-specific evaluation by a healthcare professional is advised. While caregiver numbers are not specified, independent users must have a way to summon help in case of malfunction or concern.

Maintenance and Inspection

Before Each Use (User Responsibility)

Verify PHDQRS Hook is fully locked.

Inspect torso and leg supports for wear or damage.

Check leg support stitching for fraying.

Confirm no strap slippage during use.

Ensure arms move freely under spring tension.

Listen for unusual sounds.

Perform ceiling lift pre-use inspection.

Monthly (User Responsibility)

Repeat daily checks.

Confirm arms move freely.

Check all fasteners, especially on torso bars (see page 3).

Annual Preventative Maintenance (Technician Only)

For frequent use or heavier clients, maintenance may be needed every 6 months.

Inspect all components for wear.

Verify tension springs are in place and functional.

Ensure all fasteners are secure.

Attachment Points and Replacement Parts

See page 3 for part diagrams. Use appropriate tools to check and tighten bolts monthly.

Replacement Parts:

Part No	Description	Includes
phd7321	Spare Arm Support Kit	1 arm pad + hardware
phd7109	Leg Support Kit – Small	1 leg support + strap & buckle
phd7110	Leg Support Kit – Medium	
phd7111	Leg Support Kit – Large	

Adjusting Spring Tension (Technician Only)

Loosen the adjustment bolts.

Shift the scissor mechanism to the desired hole.

Re-fasten securely.

Repeat on the opposite arm using the same hole.

Note: Using holes further from the center reduces grip strength.

Service Record

Fill out the purchase and service information as soon as the equipment is acquired. Record each service/repair with a date and signature. Refer to the "Maintenance" section for service intervals.

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Warranty

This warranty does not affect your statutory rights.

New equipment (lifts, slings, parts) is covered for 1 year from installation or 18 months from manufacture, whichever is sooner.

Refurbished equipment is covered for 3 months from installation or 6 months from purchase.

Warranty does not cover normal wear, damage by misuse or neglect, or batteries beyond 90 days.

The warranty is void if unauthorized service is performed.

Polairis is only liable for part replacement—not for consequential damages.

If you have further questions about your Polairis, contact your authorized representative or the manufacturer directly.

Let me know if you'd like this formatted as a printable document or broken into sections (e.g., for a digital manual or webpage).

IGREEN PTE. LTD.

LanWanKangCheng 22-2-302

Shouguang City, China

