

DATA CENTER

Server Rack Ramp

User Manual: Information And Operation



SERIAL NUMBER



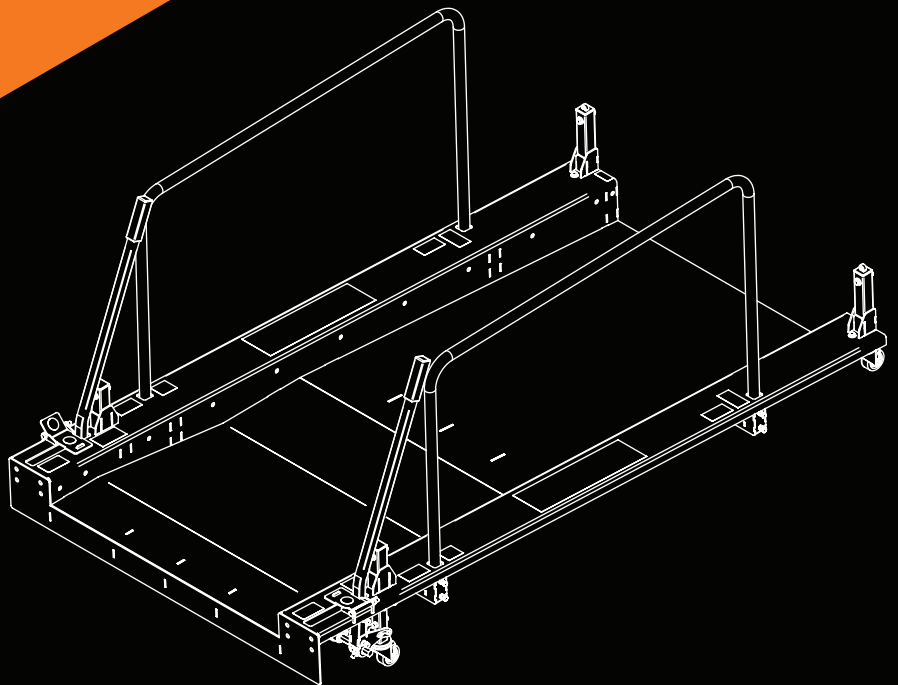
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Liability Statement

This product, the Mobile Server Rack Ramp™, has been built to the highest standards of PHS West. Please do not attempt to operate or repair this equipment without adequate training. Any use, operation, or repair in contravention of this document is at your own risk. By acceptance of this system, you hereby assume all liability consequent to your use or misuse of this equipment. PHS West assumes no liability for incidental, special, or consequential damage of any kind. PHS West reserves the right to make equipment or product specification changes at any time. This manual, and all information contained within it, are subject to revision at a future date.

End of Life Statement

Your PHS West Mobile Server Rack Ramp™ has been designed to provide years of reliable and trouble free service, but at some point in time, it may be necessary to retire the system from service. To protect the environment, the following requirements should be considered and followed:

- This PHS West Mobile Server Rack Ramp™ is primarily constructed from carbon steel and contains no hazardous materials.
- The PHS West Mobile Server Rack Ramp™ is considered industrial equipment as stated in Category 6 of Annex 1A of European Waste Directive.
- Included in the PHS West Mobile Server Rack Ramp™ are components manufactured by others. Their retirement and disposal are covered in the individual equipment technical manuals listed in the PHS West manual if applicable.

Proprietary Notice

All drawings and information herein are the property of PHS West. All unauthorized use and reproduction is prohibited.

Trademark Acknowledgments

- All product names and trademarks are the property of their respective owners.
- The Mobile Server Rack Ramp™ is a trademark of PHS West.

Revision Log

Revision Level	Date	Affected Pages	Description of Change
-	6/24/2022	All	Release
A	1/5/2026	All	Branding



Introduction

The Mobile Server Rack Ramp™ is used to accommodate moving servers out of shipping and storage crates. For an understanding of efficient and safe operation, it is important you read this manual.

The Mobile Server Rack Ramp™ is a non-motorized ramp requiring a trained user. If you have any

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Safety

Document Symbol Conventions

It is important that you read and understand this manual. The information contained within relates to protecting your safety and preventing problems. The symbols below are used to help you recognize this information.

Symbol	Description
	DANGER! Indicates a potentially hazardous situation which, if not avoided, will result in death or serious injury
	WARNING! Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury
	CAUTION! Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury
	NOTICE: Indicates a potential situation which, if not avoided, can result in property damage or damage to the equipment
	Note: Indicates information, notes, or tips for improving your success using the equipment

CAUTION!

Failure to follow these instructions may result in serious injury or damage.

- Personnel responsible for system operation and/or maintenance should attend all available safety and operational training courses.
- Do not defeat or disconnect safety interlocks on covers, doors, or any other hazard barrier.
- Observe all safety and warning signs.
- Make sure the floors in the area are dry and non-slip. Keep the work area clean to help identify working hazards and conditions.
- The Mobile Server Rack Ramp™ is designed for use on flat surfaces only.
- Never operate the ramp if your visibility is obstructed.
- Always use safety straps or paddles while towing safety equipment.
- Never carry riders on the ramp.

Operation

Assemble the Handles

1. Insert the handles into the frame pockets.
 - One leg of the handle is longer than the other due to the angle of the ramp. Insert the handle such that the top tube is horizontal when installed.
2. Using a 1/2" wrench or socket, install and tighten both 5/16"-18 hex head bolts on each leg of the handle to secure into position. Do not over-tighten; approximately 5ft-lb (6.8 N-m) of torque on each bolt is sufficient to retain the handle in place.



Unloading a Server Rack

1. Roll the ramp to the pallet until the end face of the ramp contacts the side of the pallet.
 - The ramp must be centered to the width of the pallet to function properly.
2. Pull back on one of the lever handles and release lever locks on both sides using your foot. Lever locks should drop over-center and remain unlocked until acted upon.
3. Once both lever locks are unlocked, push the lever handle towards the server pallet to lower the ramp and engage the pallet adapters. This secures the ramp to the pallet.
4. After lowering the ramp and pallet adapters into position, re-engage at least one of the lever locks to lock the ramp into the unload position.
5. The ramp is ready to unload the server rack from the pallet.
 - To avoid damage to the anti-skid surface of the ramp, do not turn the drive wheel of the tug while the tug is stationary.



Disconnecting the Ramp

1. Push the lever handle toward the pallet while releasing the lever locks to the unlocked position.
2. Pull the lever handle away from the pallet to raise the ramp and disengage the pallet adapters.
3. Engage the lever lock on at least one side of the ramp.
 - Both lever locks should be locked when traveling over longer distances.
4. Roll the ramp away from the pallet.



Maintenance

⚠ CAUTION!

Only minimum maintenance is required to maintain the service and dependability of the ramp. Failure to follow these instructions may result in personal injury or property damage.

Daily

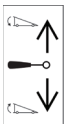
- Always inspect your ramp before using it. If any of the following are found to be damaged, nonfunctional, or missing, remove the ramp from service and replace immediately.
- Visually check the caster wheels for damage.
- If equipped with safety straps, check that the straps are functioning and secure.
- Visually check the ramp for any other external damage.

Monthly

- Check and tighten any exposed fasteners.
- Check all bolts and connections for tightness and wear
- Check casters for roughness during rotation. Replace if necessary.

Labeling



	Label	Description
1		The ramp has a weight capacity of 2,042kg (4,500lb).
2		Foot Crush Hazard
3		Pinch Hazard
4		Read the manual before operating equipment.
5		Lever Operating Handle
6		Lever Locked
7		Lever Unlocked

Label	Description
	Manufacturer Country of Origin
	Equipment Serial Tag
	PHS West Branding Decal



Notes