

JACKDRIVE QUICK START GUIDE

IMPORTANT – PLEASE READ BEFORE YOUR FIRST RIDE

Contact: info@jackdrivewheelchair.com | 919-257-1195

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BEFORE YOU BEGIN

Jackdrive is a high-performance manual wheelchair featuring Forward Propulsion Levers and hydraulic hand brakes. Safe and effective use requires:

- - A reliable hand grip for braking, steering, and parking
- - Practicing only on flat, dry, firm surfaces (no grass, gravel, slopes, or sand)
- - Starting with pushrims only to learn balance and handling

Most users adjust quickly with patience and daily use.

SETUP & PRE-CHECKS

1. Install Leg/Footrests

- - Unfold the chair.
- - Insert and rotate the leg rests until they click into place.
- - Unfold the footplates.

(Adjust height professionally if needed.)

2. If Armrests Are Included

- - Swing back or remove before using the levers.

3. Locking & Unlocking the Brakes

- - With both levers in their rests:
 - To unlock: Press down firmly on both brake levers with your palms until the locks release.
 - To lock: Press down again and push each locking pin in with your index finger. Release the levers slowly and confirm the chair is secure.

Always lock the brakes before transport, transfer, or when parked.

GETTING STARTED

4. Learn With Pushrims First

Use pushrims to gently move forward and get a feel for the chair's balance.

5. Engaging the Forward Propulsion Levers

These levers power your chair forward in smooth, controlled strokes.

You'll need some strength to push the levers — enough to engage your upper body and guide the chair with ease and control.

- - With brakes off, begin rolling gently using pushrims.
- - Grip the lever grips, palms forward.
- - Push the forward levers ahead in 8–10" strokes, maintaining light contact with the hand brakes.

Do not support your weight on the levers — this may damage the system.

6. Turning

- - Left: Gently brake the left lever while pushing the right.
- - Right: Gently brake the right lever while pushing the left.

SHIFTING GEARS

- - Return levers to their rests before shifting.
- - Your Jackdrive features 7 forward gears.
- - Always begin in 1st gear — the lowest setting, located furthest down the lever.
- - As you gain strength and confidence, you can gradually shift to higher gears.

Upshift: While rolling or stationary.

Downshift (Method #1): While rolling slowly forward.

Downshift (Method #2 – Stationary):

You must be fully stationary on a flat surface. Downshift only one lever at a time.

- a. Unlock and lift one forward lever to a vertical (90°) position.
- b. While holding the brake lever on the raised side, ensure the opposite lever is in its rest with its brake locked.
- c. Using your free hand, squeeze and push the gear shifter down to select the lower gear.
- d. Return the lever to its rest, with the brake locked. Then repeat steps a–c with the opposite side.
- e. Confirm both levers are set to the same gear level.

Most riders use only the first 3–4 gears for daily movement. Shift up only when ready.

REVERSING

- - Return forward levers to rests.
- - Use pushrims to reverse. The levers do not propel backward.

If resistance occurs:

- - Roll slightly forward with pushrims.
- - Lightly push the forward levers one stroke to reset the hubs.
- - Try reversing again.

SLOPES, HILLS & SIDE-HILLS

- - Do not use forward levers on inclines or ramps.
- - Only ascend/descend slopes $<6^\circ$ using pushrims.
- - Anti-tip tubes may not prevent tipping.

TRANSPORTING JACKDRIVE

- - Lock brakes before lifting or loading.
- - Lift only by fixed structural parts — never by leg hangers or armrests.

SAFETY CHECKLIST

1. Tires (TNC/TNC+)

- Pneumatic, sealant-filled. Maintain at 65 PSI. Check weekly.

2. Pushrims

- Ensure tight and wobble-free.

3. Axles & Hardware

- Clean and tighten every 3 months.

FINAL NOTES

- - Be patient. Let strength and comfort build with each use.
- - Begin in low gear, take short daily practice sessions.
- - Push forward, confidently — this is your ride.

Failure to follow safety guidelines may result in injury, tipping, or damage. If unsure, contact us anytime.