Wireless Hydraulic Truck Lift

Owner's & Operator's Manual

3.5 • 5.5 • 7.5 • 10 Tonne Mobile Column Lift

Welcome

Thanks for choosing the Wireless Hydraulic Truck Lift. This manual has been rewritten in plain English to make it easier for Australian workshop owners, mechanics and operators to set up, operate and maintain the lift safely.

Please read the **Safety Information** section before anyone uses the lift for the first time, and keep this manual somewhere it can be found quickly if needed.

How this manual is organised

- Safety information you need to know before you start
- An overview of the lift and what's included
- Specifications for the 3.5, 5.5, 7.5 and 10 tonne models
- Getting to know the parts of your lift
- The built-in safety devices
- Using the control panel and touchscreen
- Step-by-step operating instructions
- Maintenance, troubleshooting and support

■ A note on this edition

This manual has been reformatted and simplified from the manufacturer's original documentation for clarity. Always follow the safety instructions in this manual together with your workplace health and safety (WHS) obligations and any site-specific procedures.

1 Safety Information — Read This First

■ This is lifting equipment. Used incorrectly, it can cause serious injury or death.

- Only trained, competent adults should operate this lift.
- Never allow anyone to stand or work underneath a vehicle while it is being raised or lowered.
- Never exceed the rated lifting capacity of the lift, and never load it unevenly.
- Do not use the lift until it is standing on a firm, level, load-rated surface and properly set up.
- Keep the centre of gravity of the vehicle aligned with the lift columns at all times.
- Switch off and isolate the power supply after every lifting job.

Before every use

- Make sure all operators have been trained and have read this manual in full.
- Check that the ground or floor under the lift is sound, level and rated to take the combined weight of the lift and the vehicle.
- Inspect the columns, cables and connectors for obvious damage before switching on.
- Confirm the emergency stop button and mechanical lock are working.

While lifting or lowering

- Keep everyone clear of the vehicle and the lift columns while they are moving.
- If any column shows an alarm or fault, stop immediately, check the fault and confirm it is resolved before continuing.
- Only use the slow/creep speed control near the top or bottom of travel, or when instructed.

Electrical safety

■ Have a licensed electrician connect this lift

This equipment runs from 240V mains power, with the hydraulic power pack typically requiring a three-phase supply. In Australia, connection and any electrical repairs must be carried out by a licensed electrician in accordance with AS/NZS wiring rules and local WHS regulations. Do not attempt electrical work yourself.

Servicing and standards

Lifting equipment used in Australian workplaces should be installed, inspected and maintained in line with your state or territory WHS regulator's requirements and the relevant Australian Standards for vehicle hoists (for example, the AS 1418 series). Arrange regular inspection by a qualified technician and keep records of servicing.

2 Product Overview

The lift raising a light truck on its four wireless columns.

The Wireless Hydraulic Truck Lift is a mobile column lift designed for the auto repair industry, available in 3.5, 5.5, 7.5 and 10 tonne configurations. It uses wireless radio communication between columns instead of trailing cables, so the columns can be positioned freely around a bus, truck, coach or new-energy vehicle.

Why it's a good choice

- Wireless communication between columns means no trip-hazard cabling between units.
- Hydraulic drive (rather than a motor-and-screw design) for a smoother, more reliable lift.
- Columns synchronise automatically to keep the vehicle level while it moves.
- Adjustable forks suit a wide range of wheel sizes.
- Touchscreen and physical button controls, so operators can choose what suits them.
- Mechanical lock and hydraulic safety valve fitted to every column as standard.

A set of four lift columns, ready for setup.

3 Specifications

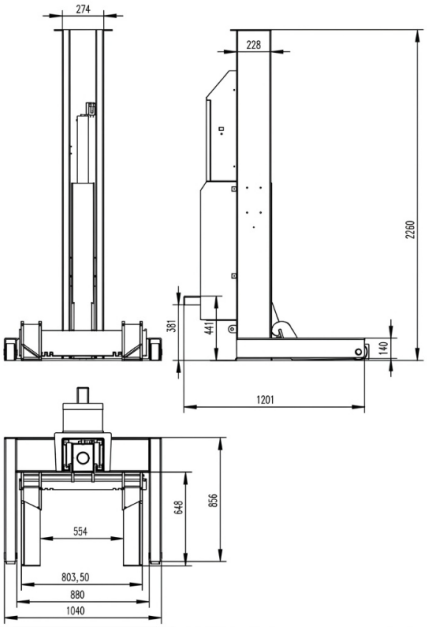
The lift is available in four capacities. Unless noted, the specifications below apply across the range — check your order or the data plate on your unit to confirm the exact model.

Model	Rated lifting capacity
Model 3.5T	3.5 tonnes
Model 5.5T	5.5 tonnes
Model 7.5T	7.5 tonnes
Model 10T	10 tonnes

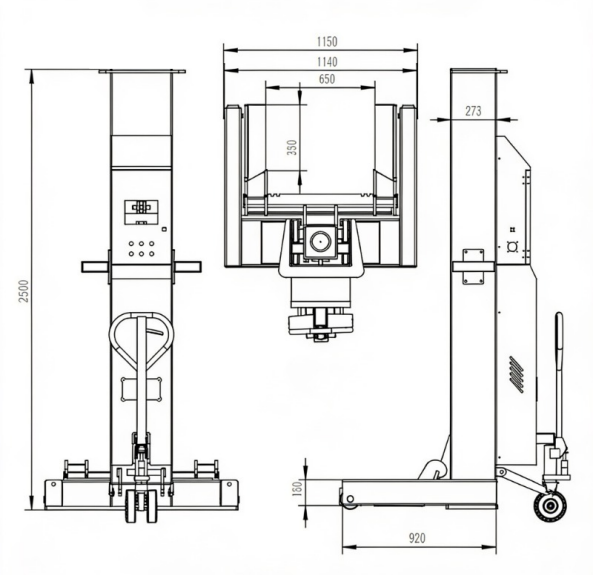
Specification	Detail
Lift range	1500mm standard (1750mm optional)
Lifting speed	21mm per second
Operating mode	Touchscreen or physical buttons
Drive type	Hydraulic
Working voltage	240V (see Electrical Safety, Section 1)
Communication	Wireless radio (wired backup available)
Safety devices	Mechanical lock and hydraulic safety valve on every column
Motor power	4 x 2.2kW (one motor per column)
Weight per column	Approx.3.5T 620kg, 5.5T 720kg, 7.5T 810kg, 10T 900kg
Column dimensions (L x W x H)	1280 x 1140 x 2320mm

Wireless range: the wireless link between columns can operate up to approximately 1.6km line-of-sight in open areas, though real-world workshop range will be shorter.

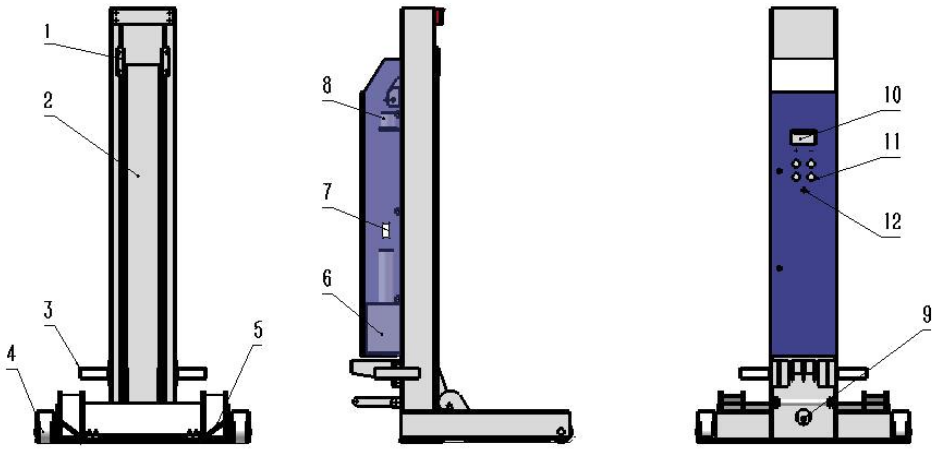
3500kg Tonne Dimensions



5.5,7.5,10 Tonne Dimensions



4 Getting to Know Your Lift



Front, side and rear views of a single lift column.

#	Part
1	Auxiliary sliding block
2	Lifting mechanism (column)
3	Loading/unloading port
4	Wheels (for moving the column)
5	Adjustable bracket (fork)
6	Power unit
7	Cable interface
8	Mechanical lock
9	Hydraulic safety valve
10	Display screen
11	Control buttons
12	Emergency stop switch

5 Built-in Safety Devices

Every column is fitted with two independent safety devices that work even if the hydraulic system fails.

Mechanical lock

Each column has a mechanical locking device. This lock stays engaged throughout the lifting process, so the lifting mechanism cannot suddenly drop if the hydraulic system loses pressure. When you lower the lift, the system automatically releases the mechanical lock first, then allows the column to descend.

Hydraulic safety valve

Each column also has a hydraulic safety (anti-burst) valve. If a hydraulic hose were to suddenly fail, this valve stops the column dropping suddenly by locking the oil flow.

■ Never rely on safety devices instead of good practice

These devices are a backup, not a substitute for safe operating procedure. Always keep people clear of the vehicle while it's raised or lowered, and never work under a vehicle supported only by this lift unless additional axle stands rated for the task are in place, in line with your workplace procedures.

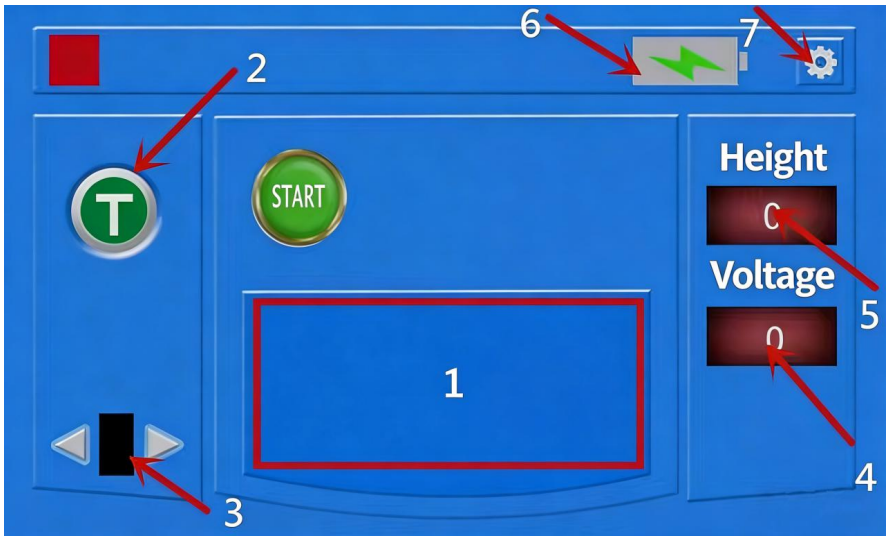
6 Using the Control Panel

Each column has its own control panel with a touchscreen and six physical buttons.

The physical control panel on each column.

Button	What it does
1 — Up	Raises the column.
2 — Down	Lowers the column.
3 — Lock	Releases the mechanical lock. Hold this together with the Down button to lower the column past the mechanical lock.
4 — Slow	Switches to a slower, more controlled descent speed.
5 — Beeper	Sounds the alarm/beeper.
6 — Emergency stop	Immediately stops all movement in an emergency.

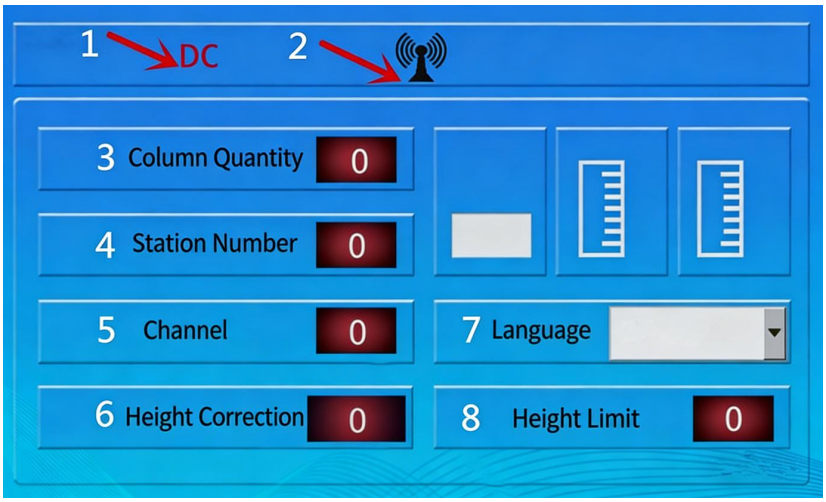
7 The Touchscreen — Main Screen



The main screen you'll see during normal operation.

#	Item	What it shows / does
1	**Status display**	Fault information and current operating status.
2	**Mode switch**	Tap to switch between Single mode (one column) and Total mode (all columns working together). 'I' = Total mode, 'T' = Single mode.
3	**Networked columns**	Use the left/right arrows to select which networked column you're viewing.
4	**Battery voltage**	Shows the current battery voltage.
5	**Column height**	Shows the current height of the column.
6	**Battery level**	Shows remaining battery charge.
7	**Settings**	Opens the background/settings screen (see Section 8).

8 The Touchscreen — Settings Screen

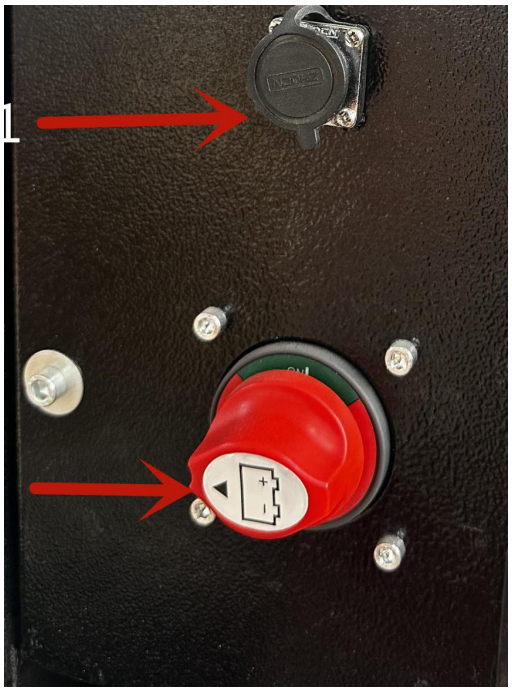


The settings (background parameter) screen.

> **■ For technicians**
> These settings are generally set up once during installation and shouldn't need regular adjustment. If you're unsure about changing any of these, contact your supplier or a qualified technician rather than guessing.

#	Item	What it does
1	**DC/AC display switch**	Switches the display between DC and AC modes. In AC mode, battery level isn't shown.
2	**Wired/wireless switch**	You don't normally need to tap this — simply unplug the wireless antenna and connect the wired data cable to switch to wired mode.
3	**Column quantity**	The number of columns connected in the group.
4	**Station number**	Sets this column's ID number.
5	**Channel**	Sets the wireless channel — all columns in a group must use the same channel.
6	**Height correction**	Factory-set calibration value.
7	**Language**	Choose the display language.
8	**Height limit**	Sets the maximum lifting height.

9 Wired Connection & Main Power Switch



The wired communication port and main power switch.

- Wired communication port — plug in the communication cable here if you're running the columns in wired mode instead of wireless.
- Main power switch — always switch this off after use. If the lift will be idle, recharge the battery at least every 20 days to keep it in good condition.

10 Step-by-Step Operating Instructions

■ Before you begin

• Confirm the area is clear, the ground is suitable, and all operators understand the controls covered in Sections 6 to 8.

Raising a vehicle

1. Position each column at the correct point under the vehicle and adjust the fork to suit the wheel size.
2. Switch on the main power and confirm each column is networked and communicating (check the status display).
3. Select Total mode so all columns rise together, keeping the vehicle level.
4. Press and hold the Up button to raise the vehicle to the desired height, watching the column height display.
5. If any column alarms or falls out of sync, stop immediately, check the fault (see Section 12) and confirm it's resolved before continuing.

Lowering a vehicle

1. Confirm the area under and around the vehicle is completely clear.
2. Press and hold the Down button. The system will automatically release the mechanical lock before the column descends.
3. Use the Slow button near the bottom of travel for a controlled, gentle landing.
4. Once fully lowered, switch off the main power switch.

In an emergency

Press the red Emergency Stop button to immediately halt all movement. Only reset and resume once the cause has been identified and it's safe to continue.

11 Maintenance

Frequency	Task
Regularly	Wipe down and clean the lift to keep it free of dirt and grime.
Regularly	Check the power cable plug for looseness or damage.
Annually (or per usage)	Replace the hydraulic oil in the power unit. Use 32# anti-wear hydraulic oil, or as recommended by your supplier.

■ Book a professional service

Arrange periodic inspection and servicing by a qualified technician, in line with your workplace's WHS and equipment maintenance requirements.

12 Troubleshooting Common Faults

Fault	What to check
Column communication timeout	The column has lost its wireless connection. Check that the communication antenna and wireless module are firmly and correctly installed.
"Lock closed" alarm	Check whether the mechanical lock's safety block has actually opened. If the proximity switch gap is too large, it may not detect the lock is open — the switch gap will need adjusting.
"Lock not opened" alarm	Check the pressure against the ratchet teeth. If pressure is against the teeth, raise the column slightly before pressing down again.

If a fault isn't listed here, or you're not confident resolving it, stop using the lift and contact your supplier or a qualified technician.

13 Quick Safety Checklist

Keep this page handy — run through it before every lifting job.

- ■ Operator is trained and familiar with this manual
- ■ Ground surface is level, sound and rated for the combined load
- ■ Columns, cables and connectors show no visible damage
- ■ Emergency stop and mechanical lock have been checked
- ■ Vehicle's centre of gravity is aligned with the columns
- ■ Lift is not overloaded and load is even across all columns
- ■ Area under and around the vehicle is clear of people before raising or lowering
- ■ Main power is switched off after the job is finished

14 Support & Warranty

For servicing, spare parts, warranty claims or any questions about your lift, contact the supplier or dealer you purchased it from.

Supplier / dealer name: _____

Phone: _____

Email: _____

Date purchased: _____

Model / serial number: _____

Keep proof of purchase and a record of servicing dates, as these may be needed for warranty claims.