

Commander VoltDrive

Electric Hose Reel · Original instructions

Models COMMANDER.VOLTDRIVE.RHW (right-hand wind) · COMMANDER.VOLTDRIVE.LHW (left-hand wind)

Read these instructions before installing or using the reel, and keep them with it. The Declaration of Conformity is on the last page.

Safety first

- The drum rewinds at about 3 metres per second. Keep hands, gloves and loose clothing clear of the drum and roller guide.
- The motor runs only while you hold the button: release it to stop. Never wedge or tape it down.
- Isolate the reel by removing the 25 A fuse before cleaning, maintenance or clearing a jam.
- Never press the button with the backup handle fitted.
- Power the reel from the system's 12 V leisure battery through the 25 A fuse, never from the vehicle's starter battery.
- Fit the hose stop. Stop rewinding with the last few metres out, then finish with short presses.

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1. Manufacturer

Cleanlynk Ltd, Unit 2, Trench Lock 3, Sommerfield Road, Telford, Shropshire, TF1 5ST, United Kingdom

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2. Product identification

Cleanlynk Commander VoltDrive Electric Hose Reel: COMMANDER.VOLTDRIVE.RHW (right-hand wind) or COMMANDER.VOLTDRIVE.LHW (left-hand wind). The model, year of construction and ratings are on the rating plate fitted to the reel.

3. Intended use

The VoltDrive rewinds hose using a 12 V DC motor. It's intended for water-fed pole window cleaning systems, with the window cleaning connection kit supplied, at up to 35 bar and 80 °C, installed in a vehicle or on a system frame, and operated by trained professional users. This issue of the instructions does not cover pressure washers: don't connect the reel to a pressure washer or to any supply above 35 bar. Use it only with the vehicle parked. It must be powered from the system's 12 V leisure battery, not the vehicle's starter battery or wiring. It isn't for domestic use.

Never:

- wedge, tape or tie the button down
- guide the hose by hand at the drum or roller guide
- rewind a snagged, frozen or pressurised hose
- exceed 35 bar, 80 °C or your hose's rating
- connect the reel to a pressure washer
- use the reel as a winch or for anything other than hose
- connect it to the vehicle's starter battery or wiring
- run it with the fuse bypassed, with a fuse over 25 A, with the backup handle fitted, or without the hose stop
- pressure-wash or hose down the motor or button

4. Description

The main parts of the reel:

1. Stainless steel body and drum (grade 304)
2. 12 V DC 250 W motor
3. Chain drive, enclosed in the body (maintenance-free)
4. Hold-to-run button (shrouded)
5. Roller guide
6. Swivel inlet
7. Mounting plates (four fixing points)
8. Backup handle (screws on: right side on RHW, left side on LHW)
9. Power cable: 2 m, red positive, black negative, with 25 A inline fuse
10. Hose stop
11. Hose barb, pre-fitted to the drum outlet
12. Clutch/brake

Supplied in the box (window cleaning kit): Rectus 26 quick-release coupling, female with 1/2" BSP taper thread (for the swivel inlet) and male with 13 mm hose barb (for your supply hose); 2 hose clips; PTFE tape; 4 × M12 × 70 mm grade 8.8 set screws, 4 × M12 nyloc nuts, 4 × M12 washers and 4 × 40 mm plate washers; P-clip for 12 mm hose with M6 bolt and wing nut.

5. Technical data

Supply	12 V DC, from the system's leisure battery
Motor	250 W; rated current 20.8 A; continuous duty
Fuse	25 A inline, at the battery end of the positive lead
Supply cable	2.5 mm ² twin, 2 m
Rewind speed	About 100 m in 35 seconds
Hose capacity	100 m of 6 mm or 8 mm microbore/minibore hose, or up to 50 m of 3/8" 1-wire high-pressure hose
Drum outlet	3/8" BSP female
Max inlet pressure	35 bar
Connection kit	Rectus 26 coupling, 1/2" BSP taper and 13 mm barb; 35 bar, 100 °C
Max water temperature	80 °C
Mass	15 kg empty
Fixings (supplied)	4 × M12 × 70 mm grade 8.8 set screws, nyloc nuts, washers, 40 mm plate washers
Operating temperature	-10 °C to +40 °C
Motor and button protection	No IP rating; keep the reel out of direct spray
Noise	See section 12

6. Installation

Warning: installation involves drilling the vehicle and working on the battery. It should be done by a competent person.

Positioning

Choose a position where:

- the button is within easy reach of where you'll stand to rewind
- you can see the drum, roller guide and hose route from that spot
- the hose runs out through the roller guide without rubbing on edges
- the motor and button are out of direct spray, because they have no IP rating
- the reel isn't inside an enclosed battery compartment, because the motor can spark

The reel weighs 15 kg empty; use two people to position it in the vehicle.

Mounting

1. Check under the floor for fuel lines, brake pipes and wiring before drilling.
2. Bolt through all four fixing points with the M12 × 70 mm grade 8.8 set screws supplied, with a washer under each head and a 40 mm plate washer and nyloc nut under the floor, or bolt to a rated system frame. At least two threads must show past each nyloc nut; use longer M12 grade 8.8 bolts if the floor is thicker.
3. Never use the reel free-standing.

Electrical connection

Warning: batteries can deliver very high currents, and a short circuit can cause burns or fire. Wear eye protection, use insulated tools, and keep sparks and flames away from batteries.

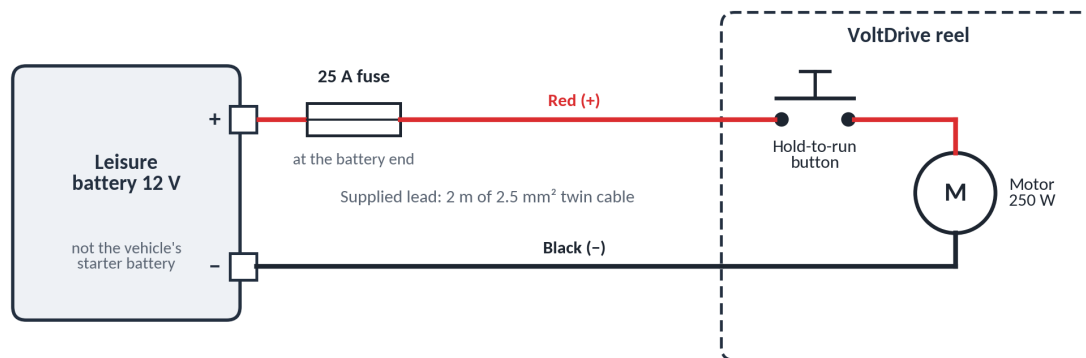


Figure 1. Wiring. Fit the 25 A fuse at the battery end of the red lead.

1. Disconnect the leisure battery negative terminal and remove the fuse from its holder.
2. Route the cable to the battery. Use grommets through panels and clip it about every 300 mm. Keep it away from sharp edges, moving parts and hot surfaces.
3. Fit the fuse holder as close to the battery as possible, because the fuse only protects the cable after it.
4. Connect red to the leisure battery positive and black to the leisure battery negative. Never connect the reel to the vehicle's starter battery or wiring.
5. The supplied cable is 2 m long. If you need to extend it, use at least 4 mm² cable (6 mm² for extensions longer than 3 m) and keep the fuse at the battery end. Never fit a fuse larger than 25 A.
6. Reconnect the battery negative, and fit the fuse last. To isolate the reel at any time, remove the fuse.

Water connection

1. Wrap the taper thread of the Rectus 26 female coupling with the PTFE tape supplied and screw it into the swivel inlet.
2. Push your supply hose from the pump onto the 13 mm barb of the male coupling and secure it with one of the hose clips supplied, then plug the male into the female. The coupling is rated 35 bar.
3. Secure the supply hose to the vehicle with the P-clip supplied (M6 bolt and wing nut), clear of sharp edges and moving parts.
4. The system is limited by its lowest-rated part. Your hose and fittings must be rated for your pump's maximum pressure, and for the hottest water you use (up to 80 °C).
5. Check every connection for leaks at working pressure. Keep water away from the battery and electrics.

Hose and hose stop

1. A hose barb is already fitted to the drum outlet. Feed your microbore hose in through the roller guide, push it fully onto the barb and secure it with the second hose clip supplied.
2. Fit the hose stop about 0.5 to 1 m from the free end of the hose. It halts the hose end at the roller guide so the end can't be drawn onto the drum. Don't use the reel without it.
3. Wind the hose on as described in section 7.

First-use checks

- Pull a few metres of hose out and briefly press the button. The drum must wind the hose in. If it pays out instead, isolate the reel and check that red goes to positive and black to negative. If they're correct, don't swap them: contact Cleanlynk.
- Confirm all four fixings are tight, the cable is secured, the fuse is fitted, there are no leaks, the hose stop is on and the labels are in place.

7. Operation

Pulling hose out

Pull the hose out through the roller guide by hand. The clutch/brake stops the drum overrunning and spilling hose.

Rewinding

Warning: the drum rewinds at about 3 metres per second, fastest near the end of the hose. Keep hands, gloves, loose clothing and hair away from the drum and roller guide.

1. Stand at the button with the drum, roller guide and hose route in view.
2. Check the hose route is clear of people and snags.
3. Press and hold the button. The motor only runs while you hold it; release to stop.
4. Never hold the hose or let it run through your hand near the roller guide.
5. Stop with the last few metres out. Finish with short presses so the hose stop reaches the guide slowly.
6. If the hose snags along its route, release the button and clear the snag by hand. If it jams at the roller guide or drum, isolate the reel first. Never try to pull through a snag with the motor.
7. If the motor labours or slows, release the button at once.

Before rewinding

- Switch off the pump so the hose isn't pressurised while it rewinds.
- Inspect the hose and fittings before each use, and replace anything damaged.

Hot water

Caution: with hot water, the swivel, drum and hose get hot. Wear heat-resistant gloves to handle hot hose, and let the reel cool before maintenance.

8. Protective equipment

Wear heat-resistant gloves for hot hose and eye protection for battery work. Gloves can be caught, so keep gloved hands away from the drum and roller guide.

9. Residual risks

Even with correct use, these risks remain:

- hands, gloves or clothing drawn in at the drum or roller guide during rewind
- the hose end striking you, or the hose jumping if it snags
- a hose or fitting failing under pressure
- burns from hot surfaces when using hot water
- fire from a damaged cable or the wrong fuse

The labels on the reel mark these hazards: hands clear of the drum and guide, hot surface, isolate before fitting the handle, and read the instructions.

10. Breakdown and emergencies

- **Motor doesn't stop when you release the button:** cut the power at once by removing the 25 A fuse. Don't use the reel again until the button has been replaced.
- **Leak:** switch off the pump, let the pressure off the hose, and isolate the reel before repairing.
- **Fuse blows:** find the cause before fitting a new 25 A fuse of the same type.

Using the backup handle after a motor failure

Warning: never press the button with the handle fitted.

1. Isolate the reel: remove the 25 A fuse.
2. Screw the handle onto the threaded boss: right side on RHW models, left side on LHW models.
3. Wind the hose in by hand.
4. Unscrew the handle and stow it.
5. Only then restore power.

11. Maintenance and cleaning

Warning: isolate the reel before any cleaning, inspection, maintenance or clearing a jam: remove the 25 A fuse and keep it with you.

The chain drive is enclosed and maintenance-free; it needs no lubrication or adjustment. The clutch/brake needs no adjustment. Don't open the body.

- **Before each use:** check the hose, fittings, cable and button for damage.
- **Monthly:** check the fixings are tight, the swivel for leaks, the cable for chafing and the fuse holder for corrosion.
- **Frost:** in freezing conditions, drain the reel and hose or keep the vehicle above freezing. Never run the motor to free a frozen hose.
- **Cleaning:** wipe with a damp cloth. Never pressure-wash or hose down the motor or button.
- **Button:** it has no IP rating. Replace it if it becomes stiff, sticky or corroded.
- **Spare parts:** replace the fuse only with a 25 A fuse of the same type, and use Cleanlynk replacement buttons, swivels and hose stops.

12. Noise

Measured A-weighted emission sound pressure level at the operator position: 70 dB(A), with a measurement uncertainty K = 3 dB. Allow for up to 73 dB(A).

13. Disposal



Don't dispose of the reel with household waste. At the end of its life, contact Cleanlynk about returning it for recycling, or take it to a collection point that accepts commercial electrical waste (WEEE).

14. Declaration of Conformity

EC / EU DECLARATION OF CONFORMITY

Manufacturer: Cleanlynk Ltd, Unit 2, Trench Lock 3, Sommerfield Road, Telford, Shropshire, TF1 5ST, United Kingdom

Person authorised to compile the technical file (United Kingdom): Thomas Andrew Luter, Managing Director, Cleanlynk Ltd, at the address above

Machinery

- Generic denomination: Electric hose reel, 12 V DC
- Function: Powered rewinding of hose for water-fed pole window cleaning systems and pressure washers
- Commercial name: Cleanlynk Commander VoltDrive Electric Hose Reel
- Model/type: Commander VoltDrive, right-hand wind (COMMANDER.VOLTDRIVE.RHW) and left-hand wind (COMMANDER.VOLTDRIVE.LHW)

This declaration is issued under the sole responsibility of the manufacturer.

Cleanlynk Ltd declares that the machinery described above fulfils all the relevant provisions of Directive 2006/42/EC on machinery. It also conforms to:

- Directive 2014/30/EU on electromagnetic compatibility
- Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment, as amended by Commission Delegated Directive (EU) 2015/863

Harmonised standards used

- EN ISO 12100:2010, risk assessment and risk reduction
- EN 60204-1:2018, electrical equipment of machines
- EN ISO 13857:2019, safety distances
- EN ISO 14120:2015, guards
- EN IEC 55014-2:2021, electromagnetic compatibility: immunity (Category I apparatus)

Place and date of issue: Telford, 24 September 2026

Signed for and on behalf of Cleanlynk Ltd: Thomas Andrew Luter, Managing Director

Signature: THOMAS LUTER