



Product Manual

START **BOOST VOLTS** **OVERRIDE** **MASTER**

MINING TRUCK MASTER 24V

High Performance Jump Starter for Ultra-class Vehicles 4,000 Amps

● ISOLATION SWITCH ● ANTI SPIKE PROTECTED ● FUSE PROTECTED ● REVERSE WARNING BUZZER

Operating Instructions Make sure the TRUCKMASTER is in the "OFF" position before initiating any start procedure

START PROCEDURE	OVERRIDE	CHARGING
- Following vehicle manufacturer's jumping procedures, connect TRUCKMASTER start lead to vehicle. - Activate MASTER switch on TRUCKMASTER. If any warning buzzers sound, do not proceed with start procedure. Check polarity at vehicle and TRUCKMASTER battery and if correct, proceed. - Provide up to 10 seconds of maximum boost power and crank the vehicle engine. - Once the engine has started, deactivate TRUCKMASTER by Pushing START or MASTER switches. STORAGE When not in use, store the TRUCKMASTER fully charged in a 20°C, dry and ventilated location.	- TRUCKMASTER must detect correct voltage and polarity in order to protect it's electronics from an errant start, application to a machine or vehicle of opposite, voltage and polarity. If the vehicle that has a completely depleted battery, TRUCKMASTER will not see and send the correct function and need to override safety features with isolation, use with caution. - Activate MASTER switch/BUILD CHECK POLARITY switch, TRUCKMASTER BEEPS twice will confirm polarity has been been armed. Proceed, CAUTION With CAUTION AND FOLLOW START PROCEDURE.	- The TRUCKMASTER battery can start a multiple times in emergency keep-alive. - A multiple battery will sound compatible- the TRUCKMASTER battery is low and needs charging. - Charge only using the provided Durst charger. The green light on the charger indicates a fully-charged TRUCKMASTER. - Only use Durst dry, connected/disconnect, dip, start with engine connected to the charger. - IF THE LOW BATTERY WARNING BUZZER IS ACTIVE, CHARGE IMMEDIATELY.

WARNING This device contains Lithium-ion batteries that can highly energy dense and create a destructive heat or a fire. No hazard if misused. Prevent serious personal injury, damage and explosions, only use in the specified environments and handle with care. by using (charging, discharging, connecting or disconnecting) this device, on a fire, or exposure to excessive these precautions. In case of damage, such as bumps, cracks, temperature, stop using immediately, repair equipment manufacturer or follow local disposal laws. Cannot be extinguished by normal means. Isolate and walk away from the event to complete. Then dispose with water.

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ENGINEERED TECHNOLOGIES

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Product overview

The Durst BJC-9000 Truck Master is a portable 24 V lithium jump starter developed for heavy transport, mining equipment and industrial fleet applications. Rated at 4,000 cranking amps and weighing less than 10 kg, it combines substantial starting output with a compact format for workshop and field-service use.

The unit combines a powder-coated steel enclosure with a carbon-fibre front panel. A start button, analogue voltmeter, override control and audible warning buzzer provide the main operating controls and indications.

Designed for compatible 24 V equipment, the Truck Master is supplied with an AC wall charger and an Anderson-to-clamp cable set.

Controls and features

Control or feature	Function
Master switch	Enables or disables the unit for operation.
Start button	Activates the starting function.
Analogue voltmeter	Provides a voltage reading.
Warning buzzer	Provides an audible warning.
Override switch	Selects override operation.
Protection features	Automatic-reset fuse and anti-spike protection.

Included items

AC wall charger and Anderson-to-clamp starting lead.

The starting lead uses 1 m of 95 mm² dual-insulated Superflex copper cable with insulated, nickel-plated copper clamps rated at 1,000 A.

Master, start and override

The three controls perform different jobs. MASTER enables the unit, START controls the starting/boost function, and OVERRIDE allows starting when a deeply discharged vehicle battery cannot be recognised by the normal detection check.

Control	Purpose
MASTER switch	Main enable/disable control for the unit.
START button	The round power-symbol button labelled START controls the starting/boost function. The product label also identifies it as a way to deactivate the unit after the engine starts.
OVERRIDE switch	Allows starting when the normal voltage and polarity detection cannot recognise a deeply discharged vehicle battery.

When override is needed

During normal operation, the unit checks the connected battery's voltage and polarity before allowing boost. A vehicle battery with very little voltage remaining may not be recognised, even when the leads are connected correctly. Override allows the operator to bypass this detection requirement.

Before using override, independently confirm that the vehicle is 24 V and that both starting-lead connections have the correct polarity.

Override does not increase the unit's rated starting output. A low-battery warning from the Truck Master itself means the unit needs charging; override is not a substitute for charging.

The detection threshold and the individual protection circuits bypassed by override are not specified in the supplied product information. Contact Durst for technical clarification.

Technical specifications

Specification	Value
Model	BJC-9000
System voltage	24 V
Variant	Mining specification
Weight	Less than 10 kg
Enclosure dimensions	270 mm (L) x 140 mm (W) x 300 mm (H)
Overall height	360 mm, including Anderson connector / handle
Enclosure	Powder-coated steel with a carbon-fibre front panel
Starting lead	1 m / 95 mm ² Superflex cable; dual-insulated, multi-strand copper
Clamps	1,000 A insulated, heavy-duty, nickel-plated copper clamps
Published engine application	Up to 85 litres

Confirm suitability for the vehicle and its starting requirements with Durst before use.

Battery and starting ratings

Specification	Published rating
Battery technology	Durst proprietary lithium polymer
Battery energy	830 Wh
Battery capacity	28 Ah
Cranking current	4,000 A (CA)
Peak current	20,000 A

Battery and current ratings are manufacturer-stated specifications.

Safety and care

Use only the charger specified by Durst for the BJC-9000.

Before use

Use the BJC-9000 with compatible 24 V equipment. Follow the operating and override instructions on the unit's label.

Storage and outdoor use

Store the unit indoors when it is not in use. Do not store or leave it outdoors.

The unit is intended for temporary outdoor use. Exercise reasonable care when using it in wet conditions.

Support and warranty

Contact Durst for product assistance, charger compatibility or warranty enquiries.

Contact	Details
Company	Durst Industries (Aust.) Pty Ltd.
Address	1/11 Packard Ave, Castle Hill NSW 2154, Australia
Website	durst.com.au
Email	sales@durst.com.au
Telephone	+61 2 9660 1755
Warranty	3 years. Contact Durst for the applicable terms and claim requirements.



Product information

durst.com.au/products/truck-master-24v