

**AMS MAMMUT
QUALITY FOR LIFE**

AL-KO



**AL-KO AMS MAMMUT
THE CLEVER CARAVAN
MANOEUVRING SYSTEM**



www.al-ko.co.uk

AL-KO AMS Mammut has the power to move your caravan effortlessly. Inclines, kerbs and rough terrain can be overcome to position the vehicle into exactly the right spot without assistance.

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The variable speed control of Mammut simplifies the coupling process of the caravan to the towing vehicle.



The remote control directs the movement of the caravan to the desired position, using variable speed and close control.



Guiding the caravan into tight areas such as a garage, or car port is easily handled by AL-KO AMS Mammut.

POWERFUL, RELIABLE TECHNOLOGY

SIMPLE OPERATION



The powerful system can overcome obstacles and kerbs.

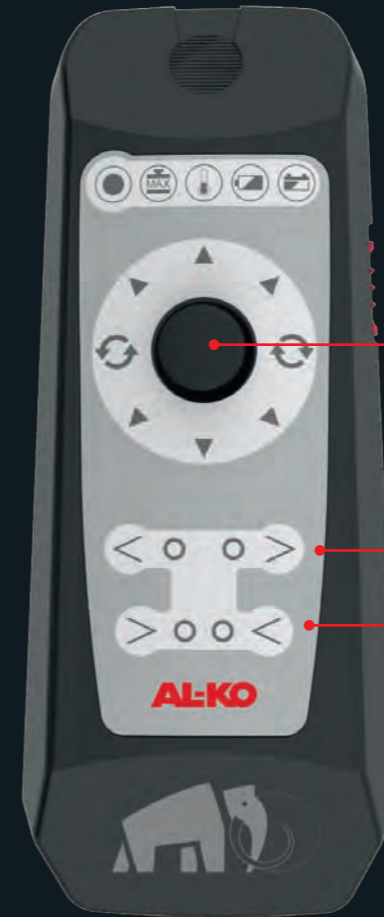


AL-KO AMS Mammut can be used on inclines upto a maximum of 28%

Max Incline capability for a total vehicle weight of 2,250kg = 13%

Max Incline capability for a total vehicle weight of 1,800kg = 16%

Max Incline capability for a total vehicle weight of 1,200kg = 28%



Simple, one handed operation via the joystick allowing smooth and sensitive speed control and continuous manoeuvring.

Disengage motors away from the caravan wheels

Engage motors onto the caravan wheels



REMOTE CONTROL LED INDICATORS



The sleek and compact design of AL-KO AMS Mammut ensures that maximum ground clearance is maintained and the risk of damage is reduced.



Lightweight design - means the complete system weighs only 29 kg (does not include the battery).



System Ready Indicator

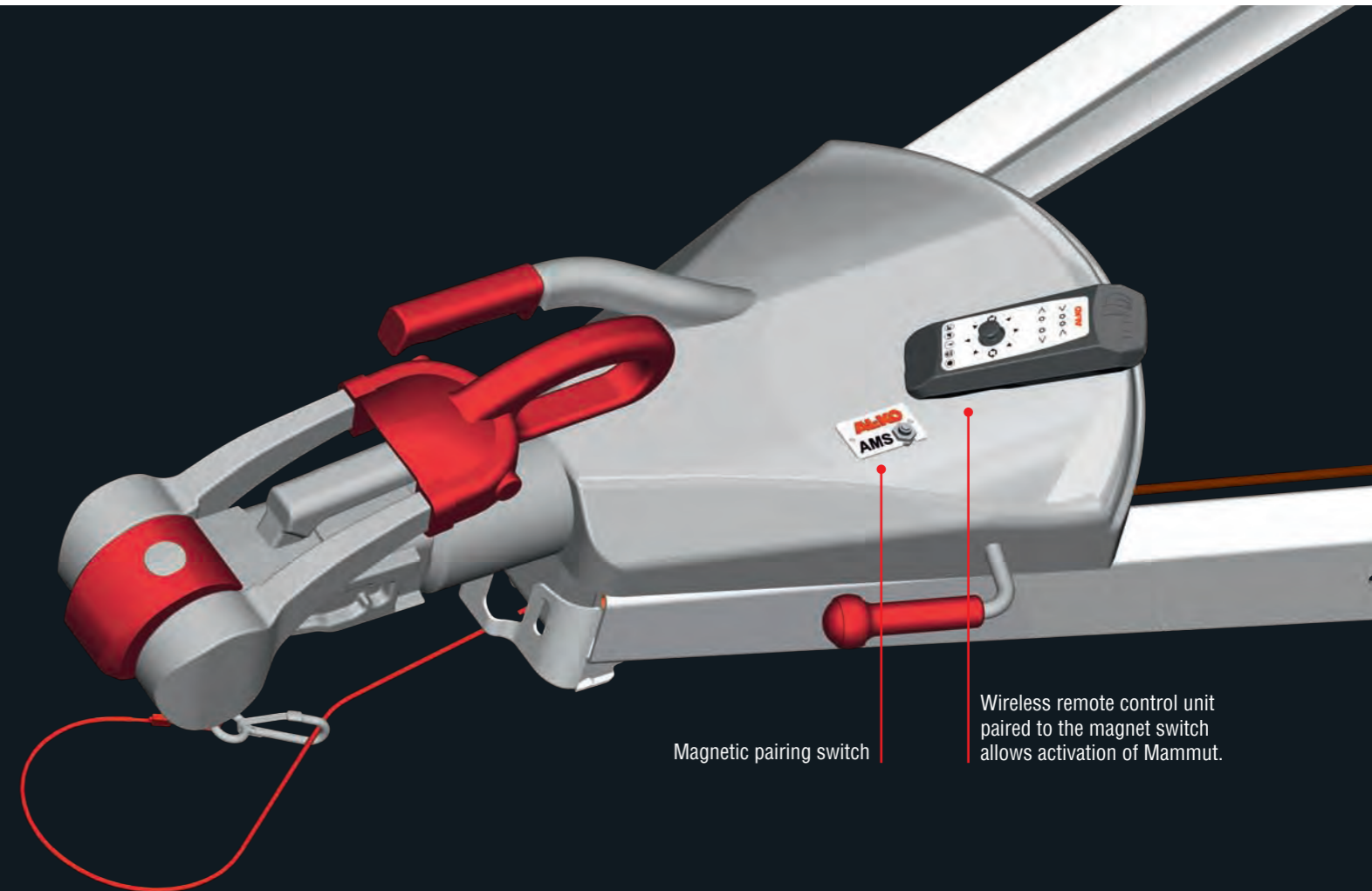
Maximum Incline Capability Reach Indicator

Maximum Drive Temperature Reached Indicator

Remote Control Battery Power Level Indicator

Drive Unit Battery Power Level Indicator

Safety First: AL-KO AMS Mammut can only be operated once the remote control handset is paired with the magnetic switch, fixed to the A-Frame of the caravan. The unit will automatically switch off after 100 seconds of inactivity.



Magnetic pairing switch

Wireless remote control unit paired to the magnet switch allows activation of Mammut.

IMMEDIATE STOP ON INCLINES



Should the joystick be released on an incline, the roller will act as a braking mechanism, preventing the caravan from rolling away

Soft Start and Soft Stop

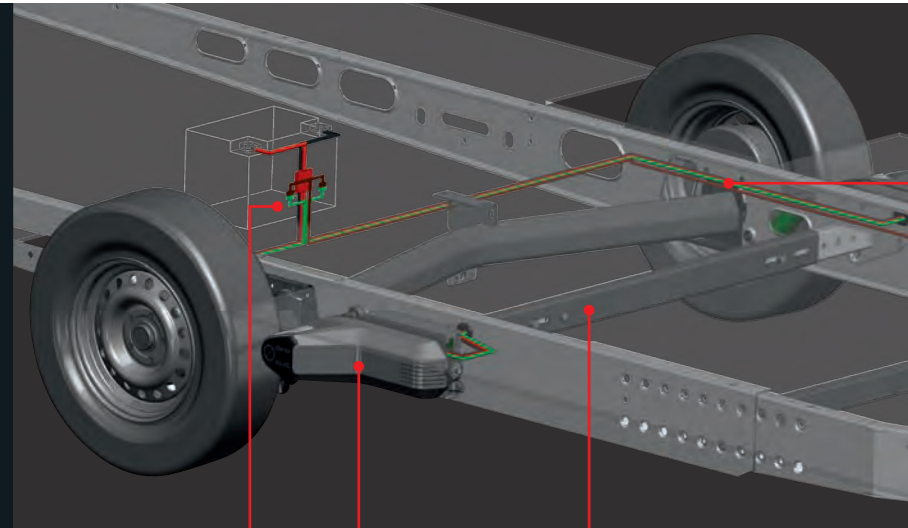
AMS Mammut provides a controlled, smooth start and stop when manoeuvring the caravan, with no 'jerky' movements.



COMPLETELY SEALED DRIVE UNIT



The durable outer cover of AMS Mammut completely seals the unit from water ingress, and guarantees functionality even in wet conditions.



Cable Harness (CAN-bus)

- Red:** Connected to Positive terminal on battery
- Black:** Connected to Negative terminal on battery
- Green:** Communication wiring between left and right drive units
- Brown:** Communication wiring for Remote Control Device

Diagnostic Interface connected here.

Torsional Cross Bar

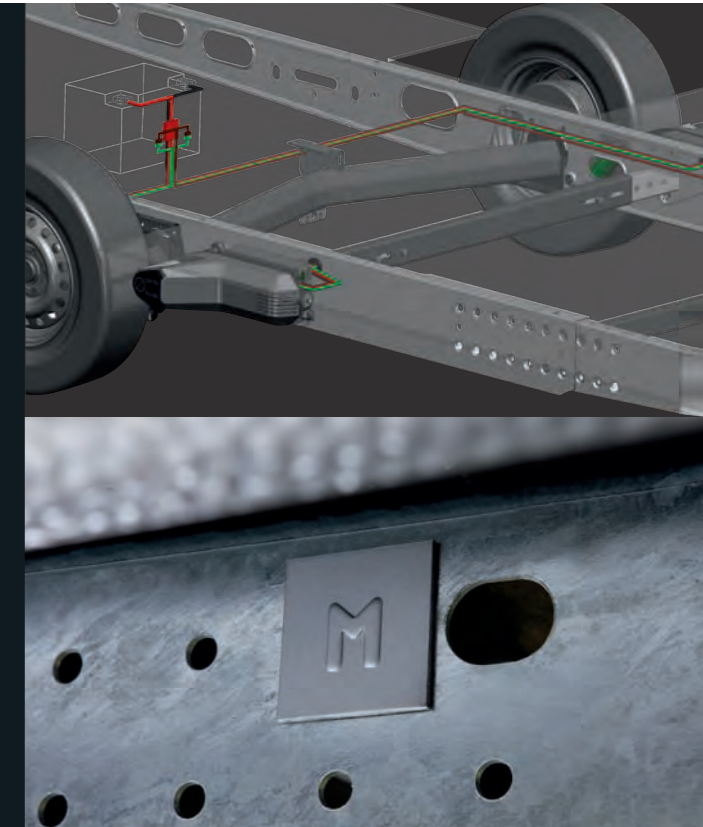
AMS Mammut Motor Drive Units with aluminium rollers for moving the caravan wheels.

INTEGRATED CHASSIS VARIANT FOR MAXIMUM CLEARANCE

For AL-KO chassis manufactured from 2010, the mounting holes are provided as standard allowing simple installation. This type of chassis is identified by an embossed 'M', located on the chassis member (as shown below, right).

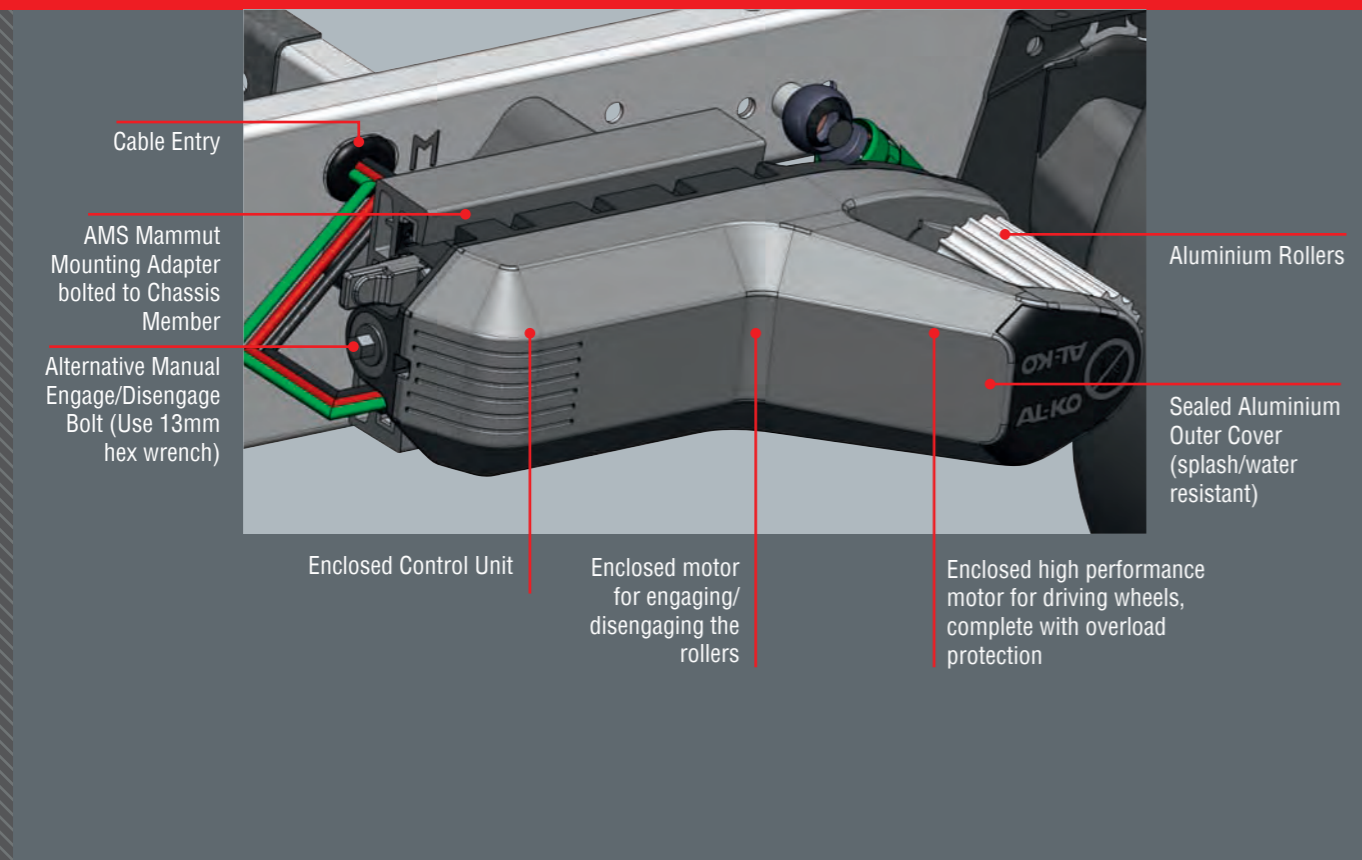
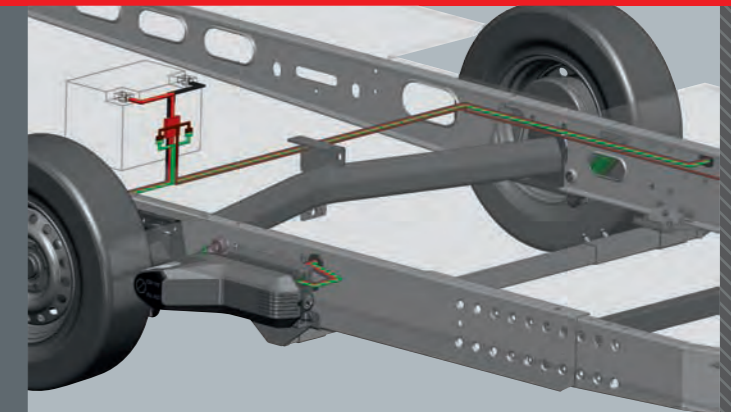
AL-KO AMS Mammut can be fitted in front of the axle in the direction of travel, therefore protecting the drive units from stone chip damage.

The compact design and integration of the unit into your AL-KO chassis ensures that the clearance between the chassis member and the road is completely unaffected.



AFTERMARKET VARIANT

For older AL-KO Chassis prior to 2010 model year and non AL-KO chassis, a variant with the cross bar clamped under the chassis members is available. This can be fitted to either the front or rear of the axle. Clearance between chassis member and road is reduced by approximately 50mm.



Cable Entry

AMS Mammut Mounting Adapter bolted to Chassis Member

Alternative Manual Engage/Disengage Bolt (Use 13mm hex wrench)

Enclosed Control Unit

Enclosed motor for engaging/disengaging the rollers

Enclosed high performance motor for driving wheels, complete with overload protection

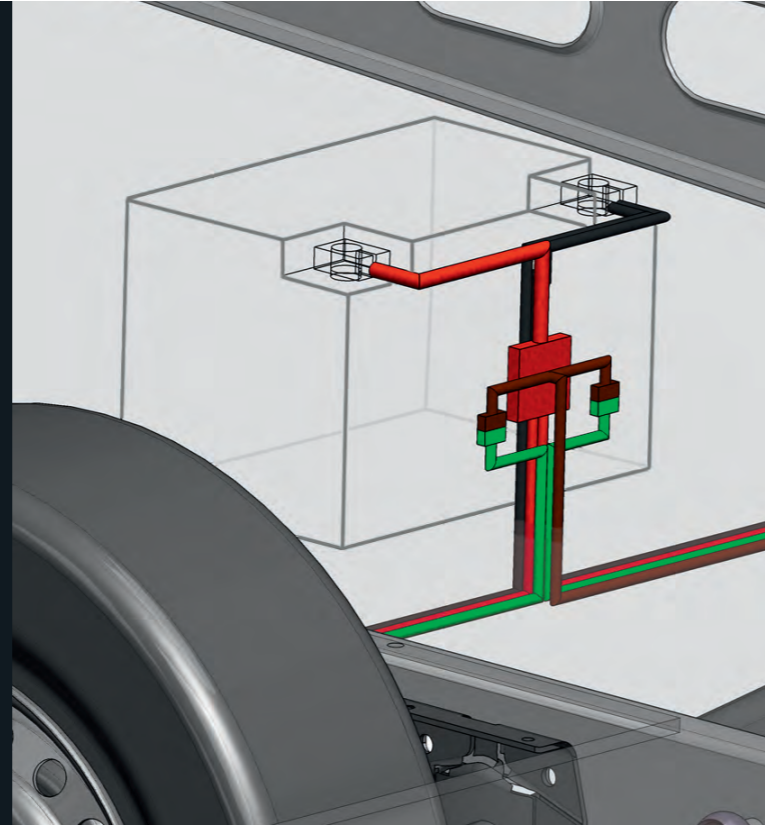
Aluminium Rollers

Sealed Aluminium Outer Cover (splash/water resistant)

BATTERY / CHARGER

The maximum power consumption of AMS Mammut is 120 A. It is recommended to use a battery with a capacity of at least 80 Ah.

With a fully charged 80 Ah battery, AMS Mammut can be operated for upto 2 hours on level ground. At maximum loading on inclines the operating time is approximately 30 minutes.



Variant	Integrated Chassis Fitment	Aftermarket fitment
Suitable for	2010 Model Year AL-KO Chassis with Embossed 'M'	All previous AL-KO and No AL-KO Chassis
Fitted	In front of Axles	In front or behind Axle
Part Number	1224844	1224846
Net Weight	29kgs	36kgs
Max Ground Clearance	Yes	No, clearance reduced by 50mm.
Max MTPLM	2,250kgs	2,250kgs
Max Incline	Total Weight 2,250kgs = 13% incline Total Weight 1,800kgs = 16% incline Total Weight 1,300kgs = 28% incline	Total Weight 2,250kgs = 13% incline Total Weight 1,800kgs = 16% incline Total Weight 1,300kgs = 28% incline
Soft Start/Stop	Yes	Yes

JOCKEY WHEEL



The right choice of jockey wheel will significantly improve the manoeuvrability of the caravan on all surfaces when used in conjunction with the AMS Mammut.

AL-KO recommends the use of the AL-KO Premium Jockey Wheel (pt no 1552197) as the ideal partner for AMS Mammut.

ADDITIONAL FEATURES

- Automatic switch off after 100 seconds of inactivity
- Immediate stop on inclines when joystick released
- Maximum operating speed 0.5km/h
- LED operating indicators on remote control handset
- Infinitely variable speed control via the remote control joystick
- Continuously variable directional movement via the remote control joystick
- Manual hand roller engagement using 13mm hex wrench
- Splash and water resistant
- Power consumption: peak current 120 A
- Dormant power consumption: 5 mA