

USER MANUAL

MAAS KMA-200 CB Magnetic Antenna | Item No. 150118

The MAAS KMA-200 is a high-performance CB mobile antenna for the 26.5 to 28 MHz frequency range. The robust magnetic base allows for quick vehicle mounting without drilling.

1. Fitting the antenna

For installation, select the largest possible flat, magnetic metal surface on the vehicle. For optimal radio performance, choose a position that is as unobstructed as possible, preferably on the vehicle roof.

IMPORTANT: Before attaching the antenna, carefully clean both the vehicle surface and the underside of the magnetic base. Dust, sand, metal shavings or other dirt particles can cause scratches and damage to the paintwork when attaching, moving or removing the antenna.

The mounting surface must be flat and sufficiently large. The entire underside of the magnetic base must rest flat against the surface. This is the only way to achieve maximum magnetic holding force. Carefully place the antenna on the cleaned surface and do not move the magnetic base across the vehicle's paintwork. To remove it, lift the magnetic base carefully. Due to the antenna's length of approx. 1.6 m, increased mechanical forces are generated whilst driving. You should therefore check particularly carefully that it is securely fastened before every journey.

2. Connection and Commissioning

Route the coaxial cable through the vehicle interior in such a way that it is not crushed, severely kinked or damaged by sharp edges. Connect the PL-259/PL plug to the antenna socket on the CB radio and tighten it hand-tight.

Before transmitting, the standing wave ratio (SWR) should be checked using a suitable SWR meter. The mounting position and size of the vehicle's metal surface can affect the SWR and radiation pattern. If the SWR is significantly too high, do not transmit; instead, check the installation and the antenna system.

3. Technical data

Feature	Value
Application	CB radio / 11-metre band
Frequency range	26.5 – 28 MHz
SWR	< 1.3
Gain	6 dBi
Bandwidth	900 kHz (SWR < 2)
Impedance	50 ohms
Max. power	500 W
Polarisation	vertical
Antenna length	1,600 mm
Magnetic base	Ø 120 mm
Cable length	3.9 m
Connection	PL plug
Mounting type	Magnetic base
Colour	Black

4. Safety instructions

- Before each journey, check that the magnetic base is secure and firmly attached.

- Only mount on a flat, clean and sufficiently large magnetic metal surface.
- Never move the antenna across the vehicle's paintwork.
- Due to the dipole length of approx. 1.6 m, increased wind and bending forces occur; check the mounting particularly carefully and regularly.
- Always remove the antenna before entering car washes.
- Be aware of the additional vehicle height when approaching garages, multi-storey car parks, bridges, tunnels, tree branches and other obstacles.
- At high speeds, in strong winds or under extreme weather conditions, the antenna's grip may be compromised.
- Keep a safe distance from overhead power lines and high-voltage cables. Contact or coming too close can be life-threatening.
- During transmission, ensure there is sufficient distance between people and the antenna radiator.
- Check the antenna, magnetic base, coaxial cable and connectors regularly for damage. Do not transmit with a damaged antenna system.
- Do not exceed the maximum permitted transmission power and observe the applicable legal regulations for CB radio operation.

5. Care and storage

Clean the magnetic base and the vehicle's surface regularly. Before each re-installation, ensure that there are no grains of sand, metal shavings or other dirt particles on the contact surfaces. If the antenna is not to be used for an extended period, remove it from the vehicle, clean it and store it in a dry place.

Manufacturer's specifications

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Subject to technical changes. As at: September 2026