



Car actuator operation via OBD: Control unit MDI-RC-01 with remote control



Illustration MDI-RC-01





Technical data MDI-RC-01

Power supply:	nominal 12V DC, 0,6A (KFZ-Bordnetz via OBD-socket)
Dimensions:	Length: 245mm, Width: 245mm, Height: 56mm (without OBD cable)
Weight:	approx. 2kg
Protection category:	closed aluminium case IP64
Remote control:	ISM band 433 MHz
Diagnostics:	UDS via CAN bus at the OBD socket
Firmware updates:	with USB stick via USB host interface.
Display:	four 20-digit line LCD display with backlight.
Temperature range:	0°C ... 40°C



Field of application MDI-RC-01

The device is intended to actuate, on the assembly line of the vehicle manufacturer, actuators of a vehicle which have to be actuated during the manufacturing process. These may be, for example, rear spoilers, tailgates, bonnets or windscreen wipers.

This requires the OBD plug of the device to be plugged into the vehicle OBD socket. The device itself is placed in a suitable location in the vehicle, for example on the dashboard, foot well or seat. The green LED indicates that operating voltage (approx. 12V from the vehicle) is available. Now switch on the ignition of the vehicle. Outside the vehicle the buttons of the remote controls can now be pressed.

The first time you press the upper button on the remote control, for example, the rear spoiler extends and the second time the spoiler retracts.

For example, pressing the lower button on the remote control unlocks the bonnet. The bonnet locks when closed, so that the next press of the button also unlocks it.

If the function is no longer required, the ignition is switched off again, the OBD plug is disconnected and the device is removed from the vehicle.



Special features MDI-RC-01

The device has the ability to create **trace files** of the CAN communication. All data received on the CAN bus is recorded and provided with a time stamp. For storage, one file per process is created and this is then stored on an internal 1GB SD card. The trace files can then be retrieved with a **USB stick**; otherwise the oldest ones are deleted.

The trace files can be sent to us and are a great help in troubleshooting. Without trace files, troubleshooting has often been difficult. Trace files now make it easier to solve commissioning problems, detect operating errors such as OBD connectors being disconnected too early, and respond more quickly with updates to changes such as modified ECU identification strings.

Program updates are possible via the USB host interface. As soon as the USB stick is plugged in, it is automatically loaded. Messages are shown on the display for this purpose.



Manufacturer MDI-RC-01



QUINTEST Elektronik GmbH
Hans-Böckler-Str. 33
D-73230 Kirchheim/Teck
Germany

Phone: +49 (0) 7021/98011-0
Fax: +49 (0) 7021/98011-30
E-mail: info@quintest.de
Internet: www.quintest.de