



PRODUCT INFORMATION

REMOTE TRANSMITTER FOR CENTRAL LOCKING SYSTEM

- Compatibly programmed radio transmitter keys and receivers.
- An active button control on the remote control enables a range of comfort functions and access and ignition authorisation

PRODUCT FEATURES

Modern vehicle access systems consist of individually and compatibly programmed radio transmitter keys and receivers. An active button control on the remote control enables a range of comfort functions to be activated in the vehicle. The radio remote control signals are sent to the electronic control unit for access and ignition authorisation in the comfort system of the vehicle and are subsequently evaluated.

If identification is positive, access to the vehicle is granted and the doors are unlocked. We would now like to take as an example the ignition key with the 3-button radio remote control (folding key) of the Volkswagen Group for the vehicle makes Volkswagen and Audi. This vehicle key allows the vehicle to be opened and locked both mechanically and also via radio signals.

DESIGN AND FUNCTION

Together with the lower part of the key, the hand-held radio transmitter forms one unit to function as the ignition key for the vehicle in question. This lower part of the key houses the immobiliser transponder and the key bit. The vehicle can be opened mechanically with this key bit by using the door lock and it can also be started with the key bit via the ignition lock. The integrated transponder is required in order to deactivate the immobiliser before starting the engine.

The hand-held radio transmitter, which is also called the transmitting unit or radio element, serves the purpose of locking and unlocking the vehicle doors via the central locking system. Depending on the vehicle model or on the country of registration, the design and the functions of the hand-held radio transmitter can vary.

In the case of European vehicles, hand-held radio transmitters normally use a frequency of 433 MHz or 434 MHz. On the American and the Asian markets the frequency 315 MHz is used.

A red emergency button integrated in the side of the housing can be used optionally but is country-specific. When this red button is operated, an acoustic and visible alarm is triggered on the vehicle, a feature which can be helpful in an emergency situation or also when trying to locate the vehicle in confusingly laid-out parking lots.

IMPORTANT

If ever the vehicle battery is in a state of exhaustive discharge or the radio transmission is disrupted, the vehicle can be opened using the mechanical lock cylinder.

DESIGN OF THE HAND-HELD RADIO TRANSMITTER

Lower housing section
with battery compartment



Upper housing section with
buttons and electronics

BUTTONS AND FUNCTIONS

Unlock the trunk lid

Open vehicle



Lock
vehicle

Red emergency button

Product features, specifications and availability are subject to change without notice.

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