

**Technical description**  
**Key: FBSB802 ID-Geber Basis**

**MARQUARDT**

**Block diagram key Audi B8**

Explanation of the block diagram

Battery: The energy for the key is delivered from the Battery CR2032.

Transponder: There is an 125 kHz transpondercircuit and a small microcontroller integrated in this component.

Quartz: In collaboration with the oscillator circuit in the RF-Transmitter the needed precise clock frequency is generated.

RF-Transmitter: With this circuit the clock frequency is multiplied for using as RF transmit signal.

Loopantenna: With this integrated antenna the RF-signal is transmitted to the air.

Buttons: With the 3 or 4 buttons it is possible to open or close the car and the trunk.

3D antenna: With this integrated antenna the passive entry signal may be received. (option)

3D receiver: With this receiver the passive entry signals may be demodulated. (option)