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NR2 NFC Reader Module

MARQUARDT NR2 NFC Reader Module User Manual

Contents

MARQUARDT NR2 NFC Reader Module

Specifications

- **Product Name:** NR2 NFC Reader Module
- **Mounting Location:** B-pillar of the car
- **Technology:** NFC
- **Function:** Grants access to the car by connecting to smartphones, wearables, and NFC tags
- **Interface:** Car electronics control unit and NFC devices
- **Communication:** Magnetic field with integrated antenna
- **H/W Version:** 243.761.011

FAQ

- **Q: What devices can be used with the NR2 NFC Reader Module?**
  A: The NR2 can connect to smartphones, wearables, and NFC tags for authorized access to the car.
- **Q: How does the NR2 authorize entry into the car?**
  A: By placing a paired NFC device onto the NR2, the module recognizes the device and automatically unlocks the door for access.

Functional description

- The NR2 is a NFC reader module mounted on the B-pillar of the car. It used the NFC technology to grant access to the car. The NR2 connects to smartphones, wearables, and NFC tags to authorize door opening.
- The NR2 acts as an interface between the car electronics control Unit and applications on NFC devices. The car ECU requests the NR2 which communicates with the NFC device on the integrated antenna using a magnetic field.

Use

- The user places his paired NFC device (a smartcard or a mobile phone / wearable with an integrated secure element ID) onto the NR2. The NR2 authorizes the user to enter the car automatically as soon as a valid device

is recognized. Then the door is unlocked and the driver can access the car.

- For additional information, please refer to the User Manual provided by the OEM.

Compliance statements USA & Canada

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION TO USERS:
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Any changes or modifications (including the antennas) to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC and IC RF Radiation Exposure Statement:

- This equipment complies with FCC and IC RF Radiation exposure limits set forth for an uncontrolled environment.
- This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

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Documents / Resources

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References

- **[User Manual](#)**