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MARQUARDT UR2 NFC Reader Module



Specifications

- **Product Name:** UR2 NFC Reader Module
- **Mounted:** B-pillar of the car
- **Technology:** NFC
- **Functionality:** Grants access to the car by connecting to smartphones, wearables, and NFC tags
- **Interface:** Connects the car electronics control unit with applications on NFC devices
- **Communication:** Communicates with NFC devices using a magnetic field

Functional description

The UR2 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 UR2 connects to smartphones, wearables and NFC tags to authorize door opening. The UR2 acts as an interface between car electronics control Unit and applications on NFC devices. The car ECU requests the UR2, which communicates with the NFC device on the integrated antenna using a magnetic field.

Usage description

The user places his paired NFC device (a smartcard or a mobile phone / wearable with an integrated secure element ID) onto the UR2. The UR2 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

The equipment complies with the FCC RF Radiation Exposure limits set forth for an uncontrolled

environment. 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 licence-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.

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- **Editor:** Hrishikesh Nirgude
- **Department:** RDEC-PU
- **Tel:** +91 (0) 20 6693 8273
- **Email:** Hrishikesh.Nirgude@marquardt.com
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FAQs

Q: What should I do if my NFC device is not recognized by UR2?

A: Ensure that your NFC device is properly paired and has the secure element ID integrated. Try repositioning the device on the UR2 for better recognition.

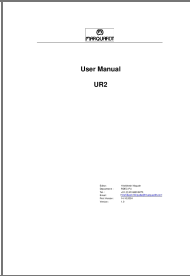
Q: Can I use multiple NFC devices with UR2?

A: Yes, you can pair and use multiple NFC devices with UR2 for car access.

Q: Is UR2 compatible with all types of smartphones and wearables?



A: UR2 is designed to connect with a wide range of smartphones, wearables, and NFC tags. However, compatibility may vary, so check with the manufacturer for specific details.

Documents / Resources

	MARQUARDT UR2 NFC Reader Module [pdf] User Manual UR2, UR2 NFC Reader Module, NFC Reader Module, Reader Module, Module
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References

- [User Manual](#)

 MARQUARDT, Module, NFC Reader Module, Reader Module, UR2, UR2 NFC Reader
 MARQUARDT Module

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