

USER MANUAL

BURY

WLC MPP Single

**Wireless charger with NFC
card protection**

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1. Product description

The Wireless charger with NFC card protection QZ9-WMS01 enables wireless charging of Qi compatible smartphones. It also uses NFC communication for Digital Key recognition and RFID protection. It is designed to fit dedicated automotive interiors. When placing the smartphone to be charged in the wireless charging tray, ensure that no other objects are in the tray along with the smartphone.

2. Legal statements

2.1. FCC

FCC ID: QZ9-WMS01

NOTICE:

Changes or modifications made to this equipment not expressly approved by BURY GmbH may void the FCC authorization to operate this equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

Radiofrequency radiation exposure Information:

For body worn operation, this device has been tested touched to the phantom and meets FCC RF exposure guidelines. Nevertheless, the device should be used in such a manner that the potential for human contact during normal operation is minimized.

2.2. ISED

IC: 5927A- WMS01

HVIN: WLC MPP Single

PMN: WLC MPP Single

Approval and declaration of conformity

This device complies with Part 15 of the FCC Rules and with RSS-210 and RSS-Gen of the Industry Canada 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

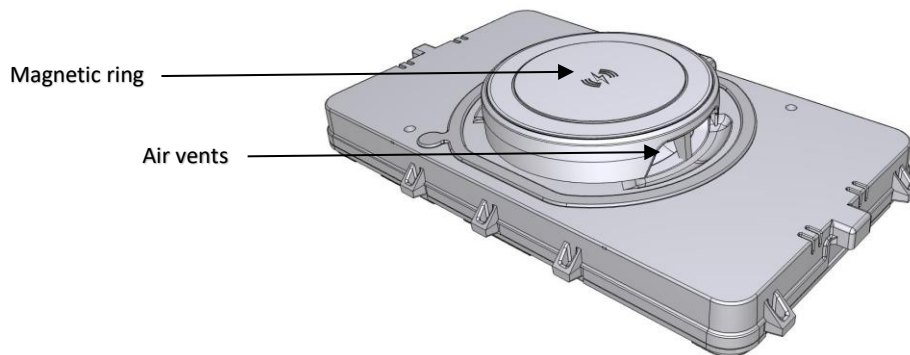
- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

3. Safety warning

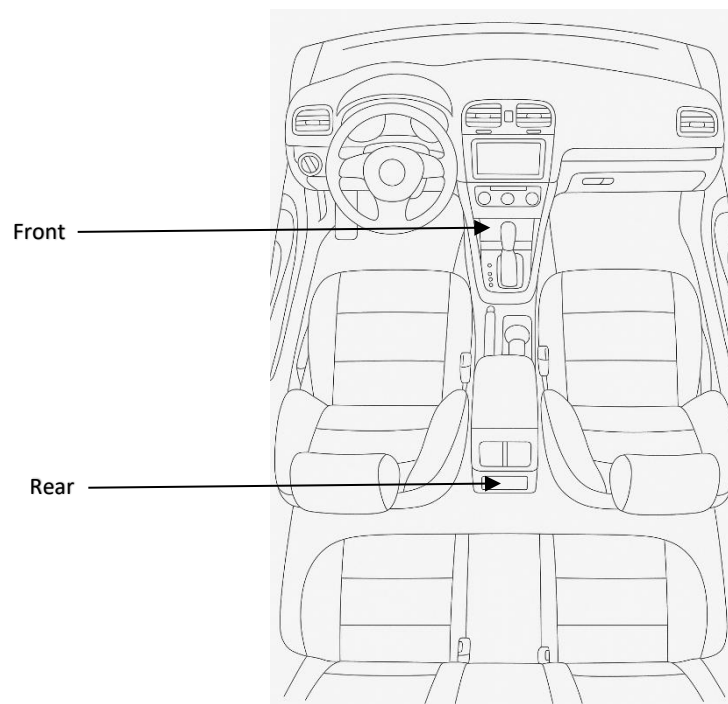
When charging a device with the Wireless charger with NFC card protection, metallic objects placed on the wireless charger with the device can become very hot. If storage media or electronic cards, such as chip cards, magnetic stripe cards, or signal transmission cards, are placed on the wireless charger with the device, the cards' functionality may be impaired. This poses a risk of injury and property damage. When charging mobile devices, ensure that no other objects are placed on the wireless charger with the device.

4. Overview

4.1. Unassembled wireless charger with NFC card protection



4.2. Location of assembled device inside vehicle



The wireless charger with NFC card protection is fixed in the front and/or the rear part of the center console. Installation is performed by trained professionals during vehicle assembly. End user cannot change its placement under any circumstances.

5. Using the wireless charger with NFC card protection

5.1. Functional Requirements

The following functional requirements apply to the wireless charger with NFC card protection:

- The smartphone to be charged supports wireless charging.
- The smartphone does not exceed the maximum size of approximately 170 x 85 x 18 mm.
- The smartphone to be charged is positioned vertically and centrally on the wireless charger.
- The smartphone's display is facing upwards.
- The protective case of the smartphone being charged supports wireless charging.

5.2. Inserting a smartphone

Place the smartphone upright, centered, and with the display facing up on the magnetic ring on the wireless charger.

5.3. System limitations

The charging current may be reduced or the charging process temporarily interrupted in the wireless charger in the following situations:

- Due to excessively high temperatures of the wireless charger and the smartphone.
- Due to unsuitable protective cases.
- Due to smartphone settings, e.g., charging settings. Refer to the relevant instructions in the smartphone's manual.
- Due to attachments on the smartphone, e.g., mounts.
- If objects are located between the smartphone and the wireless charger.
- If storage media or electronic cards, e.g., chip cards, cards with magnetic stripes, or signal transmission cards, are located between the smartphone and the wireless charger.

6. Technical details

- Supply Voltage: 12V DC Vehicle Battery (V_{nom} :14V; V_{max} :16V; V_{min} :9V)
- Max input current: 4A
- Operating temperature range: -40 °C - +85 °C
- Charging temperature range: -40 °C - +45 °C
- Frequencies utilized by implemented technologies:
 - NFC at 13.56 MHz – Digital key & RFID tag protection
 - WLC at 126 kHz – Qi 2.2 wireless power transfer up to 15W
 - WLC at 360 kHz – Qi 2.2 wireless power transfer up to 25W