



## User Manual Information EDH2507

### USA / Canada:

The Vehicle User's Manual is in preparation. The following material will be contained in the manual:

FCC ID : V2T-EDH2507

IC : 7575A-EDH2507

### Manual Requirements according 15.105

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. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Manual Requirements according 15.19 / RSS-210

#### **WARNING:**

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

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'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

## Manual Requirements according 15.21

### **WARNING:**

Changes or modifications made to this equipment not expressly approved by WITTE Automotive; WITTE-Velbert GmbH & Co. KG may void the FCC authorization to operate this equipment.

### **1 Description:**

The **DH501 (outer door handle electronic)** is a part of a Keyless driver authorization system with NFC as a new and additional feature (system will be assembled inside of the outer door handle). The system combines the Keyless-Go feature based on capacitive sensors (lock-/ unlock) and the contactless communication standard NFC (Near-Field-Communication at 13.56 MHz). Maximum power value of the radio equipment is 490 mW.

The product is safe with regards to RF exposure to humans of the general public if a distance of 10 cm or more is maintained at all times where there is no intention to trigger the lock function.

#### **⚠ WARNING!**

**Improper use of vehicle opening can result in serious personal injury.**

**Always take the key (also digital key) with you when you leave the vehicle. The engine can be started and vehicle systems such as the power windows can be operated leading to serious personal injury.**

**Never leave children, disabled persons or anyone who cannot help themselves in the vehicle. The doors can be locked using the remote control key or touching the capacitive lock sensor area of the door handle. This could result in people being trapped in the vehicle in an emergency. For example, depending on the time of year, people trapped in the vehicle can be exposed to very high or low temperatures.**

**Never remove the key from steering lock while the vehicle is moving or while it is rolling to a stop. The steering wheel column will lock up and you will not be able to steer or control the vehicle.**

#### **NOTE!**

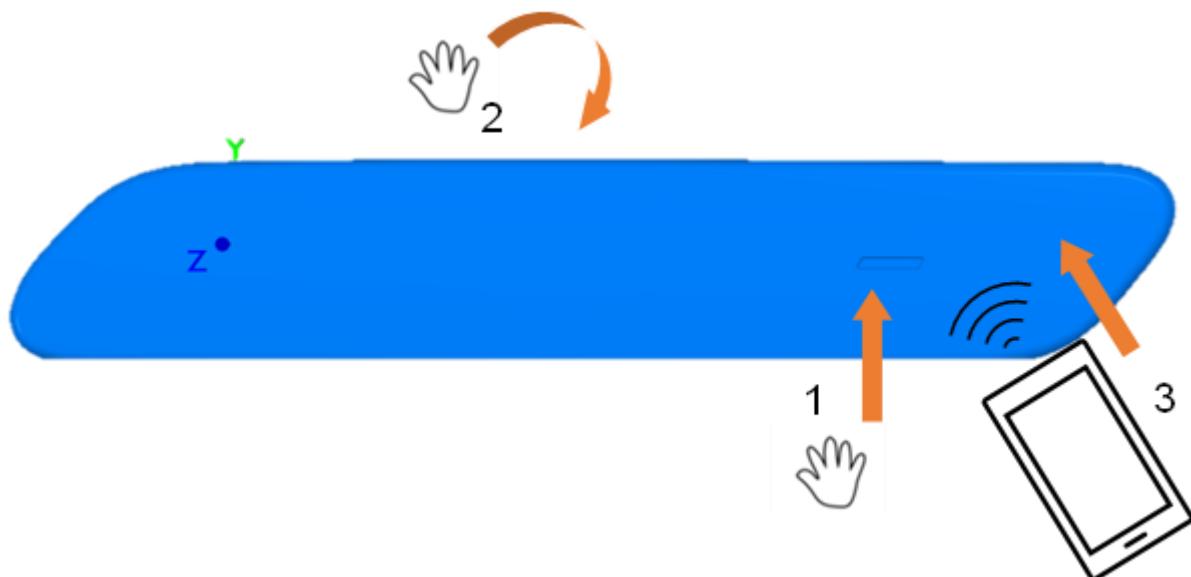
**The outer door handle contains electronic components. Protect these from rough handling.**

**Never leave any vehicle keys (also digital keys) inside the vehicle. Entry by unauthorized persons could harm the vehicle or your vehicle could be stolen. Always take the keys with you whenever you leave your vehicle.**

## 2 Sensor Functions of door handle

The outer door handle has three main functions:

- 1: Lock sensor function via capacitive detection (CA)
- 2: Unlock sensor function via capacitive detection (CA)
- 3: NFC-Communication with a NFC-Smartphone (or NFC Card)



**Taiwan :**

- 低功率射頻器材技術規範\_章節3.8.2
- 取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
- 低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
- 前述合法通信，指依電信管理法規定作業之無線電通信。
- 低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

**Europe :**

**Object of declaration:**

**Model:** EDH2507

**Description:** **Automotive NFC Outer Door Handle transceiver**

We, WITTE Automotive, hereby declare under our sole responsibility that the product above are in conformity with the essential requirements of Article 3 of the Radio Equipment Directive (RED) (2014/53/EU) if it is used as intended.

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**Applied standards:**

**Protection requirements related to electromagnetic compatibility according to Art. 3(1) b)**

Conforms to:	EN 301 489-1 V2.2.3	(EMC)
	EN 301 489-3 V2.3.2	(EMC)

**Health and safety requirements according to Art. 3(1) a)**

Conforms to:	EN 62368-1:2014/AC: 2015/A11:2017/AC:2017	(Safety)
	EN 60950-22:2006+A11:2008	(Safety)
	EN 62311:2020, IEC/IEEE 62209-1528:2020	(Health)

**Means for Efficient Use of Radio Spectrum in accordance with Art. 3(2)**

Conforms to	EN 300 330 V2.1.1	(Radio)
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The notified body, cetecon advanced GmbH, ID 0682, performed the conformity assessment procedure referred to in Article 17 and detailed in Annex III of Directive 2014/53/EU and issued the EU-type examination certificate: EU24-0167-01-TEC