

**Functional Description
User Manual**

of the

Continental

Radio Frequency Transmitter (Key Fob)

Model:

**IK4CH-01 and IK4PL-01 (433.92 MHz)
IK3CH-01 (315 MHz)**

Functional description of the **IK4CH-01, IK4PL-01, IK3CH-01** key

1 General Product Information

This document gives an overview of the different device operation modes and the RF transmissions performance of the key model **IK4CH-01, IK4PL-01, IK3CH-01**. In this document the device is referenced as "key", even if the mechanical backup key might be separated from it.

1.1 Trade mark

Continental

1.2 Brand

Continental

4 Button functions

The validation of the accurate frequency deviation and the measurement of the transmission function of the key are implemented based on RF test software. The graphic below shows the functionality of the buttons.

	<i>First Button press</i>	<i>Second Button press</i>	<i>Third Button press</i>	<i>Fourth Button press</i>	<i>Fifth button press</i>
Button Lock	CW F_{low}	CW F_{up}	Continuous RF data frame	CW F_{up}	Stop RF emission



5 Key fobs Variants

Product reference	Product variant	Drawing
<p>IK4PL-01 A2C398083 marking : 04 EdG 433.92MHz</p>	<p>Lock/Unlock/Light/Trunk 433.92 MHz</p>	
<p>IK4CH-01 A2C398080 marking : 02 HdG 433.92MHz</p>	<p>Lock/Unlock/Light/Trunk 433.92 MHz</p>	

<p>IK3CH-01 A2C398081 marking : 01 HdG 315MHz</p>	<p>Lock/Unlock/Light/Trunk 315 MHz</p>	 A black remote key fob with a silver-colored metal trim at the top and bottom. It features two rows of buttons. The top row has an unlock icon (open padlock) on the left and a lock icon (closed padlock) on the right. The bottom row has a light icon (sun) on the left and a trunk icon (car with open trunk) on the right.
<p>IK4CH-01 A2C398084 marking : 06 HdG 433.92MHz RES</p>	<p>Lock/Unlock/RES/Trunk 433.92 MHz</p>	 A black remote key fob with a silver-colored metal trim at the top and bottom. It features two rows of buttons. The top row has an unlock icon (open padlock) on the left and a lock icon (closed padlock) on the right. The bottom row has a 2s icon (a circle with '2s' inside) on the left and a trunk icon (car with open trunk) on the right.

<p>IK4PL-01 A2C398086 marking : 08</p> <p>EdG 433.92MHz RES</p>	<p>Lock/Unlock/RES/Trunk 433.92 MHz</p>	
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FCC statement

15.19

- 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.

15.21

- Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.
- This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.
- End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

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.

IC statement

RSS-Gen Issue 4 8.4

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.

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.