Product Name: In-car Smart Access Controller
Model: K3CF
Trade Mark: BYD

The In-car Smart Access Controller realizes the functions of Android/Apple mobile phone NFC key card opening and vehicle start authorization, which can not only improve the security of data interaction, but also enhance the user experience.

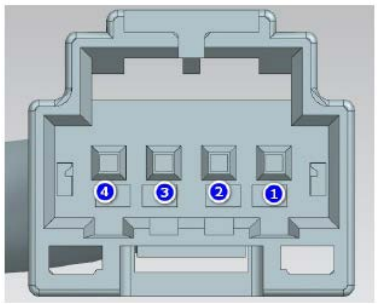
Installation location

Installed in the sub-instrument platform storage layer

The main parameters：

Operating Temperature	-40℃ to +85℃
operation Frequency	13.56MHZ（±7K）
Modulation Type	ASK
NFC Sensing distance	0-5cm，The longest distance is not less than 2.75cm
Operating Voltage	12V
Operating Current	<200mA
Protection Class	IP5K2
CANFD	500K

Product Termination Connector Pin Definition：



pin number	port name	port definition	Harness connection	signal type	Steady state operating current/A	power	Remark
1	power	VBAT	Connect tothe vehicle battery	Power	<0.5A	12V	Red
2	GND	GND	GND	GND			Black
3	CAN	CANFD-L	Connect to Smart access network	CANFD signal			Purple
4	CAN	CANFD-H	Connect to Smart access network	CANFD signal			Pink

Instruction:

NFC: The product is located in the sub-instrument platform storage layer. Users can use a smartphone approach the product to register NFC keys or start the vehicle engine.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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.
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.
To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

EN
This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

FR
L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.