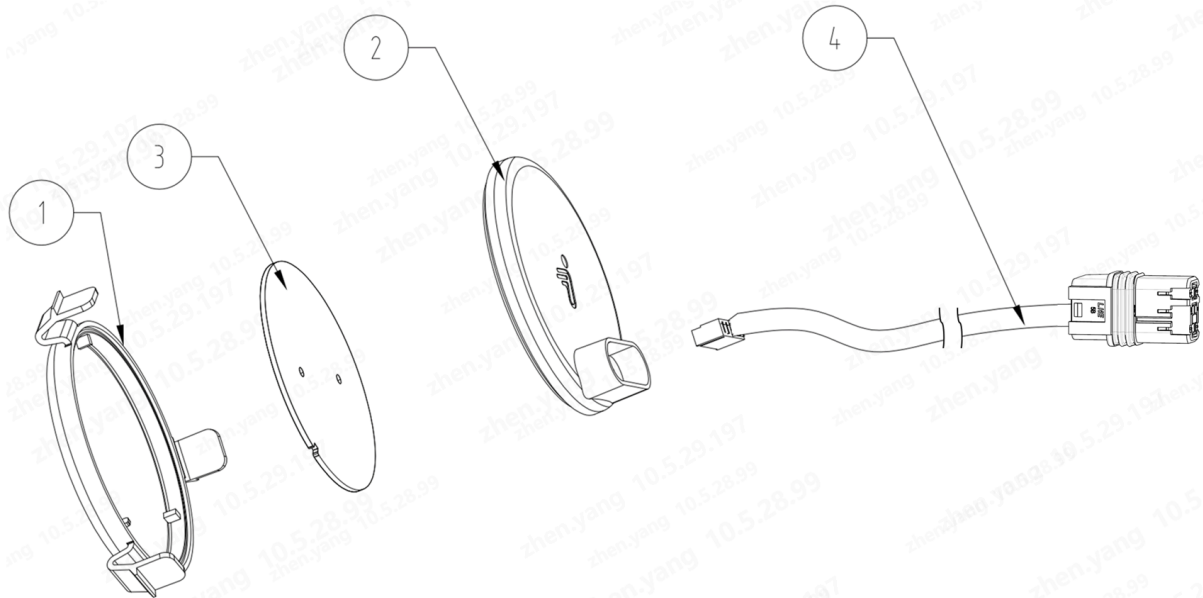


User Manual

Product Overview



1	2	3	4
plastic top cover	plastic bottom casing	PCBA	Wire harness and connector

Product introduction: This product, as a component of the off-road electric motorcycle, is installed on the NFC module, as shown in the image above. When the user actually uses the off-road electric motorcycle, the product can be turned on by swiping a card.

I. Product parameters

Name: Off-road NFC Module

Model: BA.17.00.0496.01

Color: Black

Input voltage: 5V

Input current: 50mA

Protection level: IP65

II. Characteristics

- RoHS compliance

III. Function specifications

NFC	
Frequency band(MHz)	13.56MHz

Modulation	ASK
Antenna type	Coil Antenna

The NFC system operates as follows: A 5V power supply feeds the FM17622 NFC controller via a 3.3V LDO regulator. A 27.12MHz crystal oscillator provides the necessary clock signal to the FM17622. The controller then drives the 13.56MHz NFC Coil Antenna through an antenna matching network to transmit and receive RF signals for communication. Data is exchanged with an external host system via the TXD/RXD lines.

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

WARNING

When using this product, basic precautions should always be followed, including the following:

- Read all the instructions before using the product.
- To reduce the risk of injury, close supervision is necessary when the product is used near children.
- DO NOT put fingers or hands into the product.
- DO NOT use this product if the flexible power cord or output cable is frayed, has broken insulation, or any other signs of damage.

WARNING—It is not permitted to dispose of this product as normal household waste. Ensure that the product is recycled in accordance with local legal requirements.

FCC statement

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.

FCC Warning

This equipment complies with relevant RF radiation exposure limits set forth for a

public/uncontrolled environment.

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. Caution: Any changes or modifications not expressly approved by Ninebot (Changzhou) Tech Co., Ltd. for compliance could void the user's authority to operate this equipment.

IC Statement

This device complies with CAN ICES-003(B) / NMB-003(B).

This device complies with Industry Canada licence-exempt RSS standard(s). 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.

Cet appareil est conforme à la norme RSS d'Industrie Canada. Son fonctionnement est sujet aux deux conditions suivantes:

- (1) le dispositif ne doit pas produire de brouillage préjudiciable, et
- (2) le dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

ISED Warning

This equipment complies with relevant RF radiation exposure limits set forth for a public/uncontrolled environment.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé.