

KQiAir-SERIES



Manufacturer: Jiangsu Niu Electric Technology Co., Ltd.

Importer:Niubility Tech Srl

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Manufacturer: Jiangsu Niu Electric Technology Co., Ltd.

Importer:Sinnis International trading ltd

Address: Unit 1, Ocean view business park, Gardner road , Portslade , BN41 1PL

Contact

Global-Service@niu.com

Keep your KickScooter serial number on hand when contacting us.

You can find your serial number on the side of your KickScooter or on the page [manage] in the Niu E-scooter App.

V 1.0

KQi Air / KQi Air X

[EN](#) Product Manual

[DE](#) Produktanleitung

[ES](#) Manuale del Prodotto

[FR](#) Manuel du Produit

[IT](#) Manuale del Prodotto

[PT](#) Manual do Produto

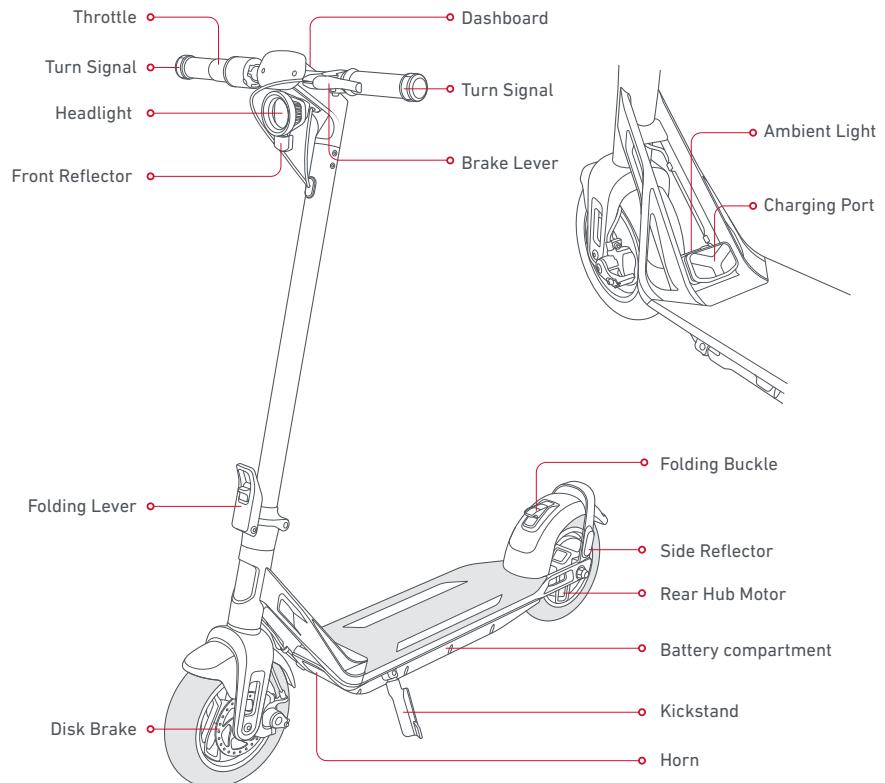
KQ*i*Air-SERIES



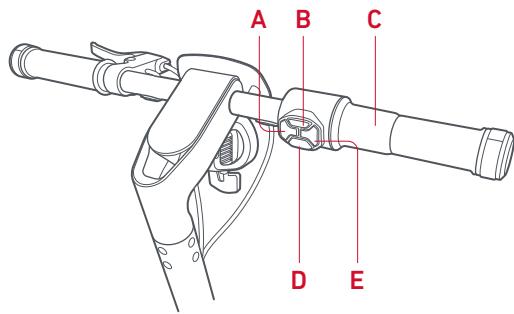
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Parts Info



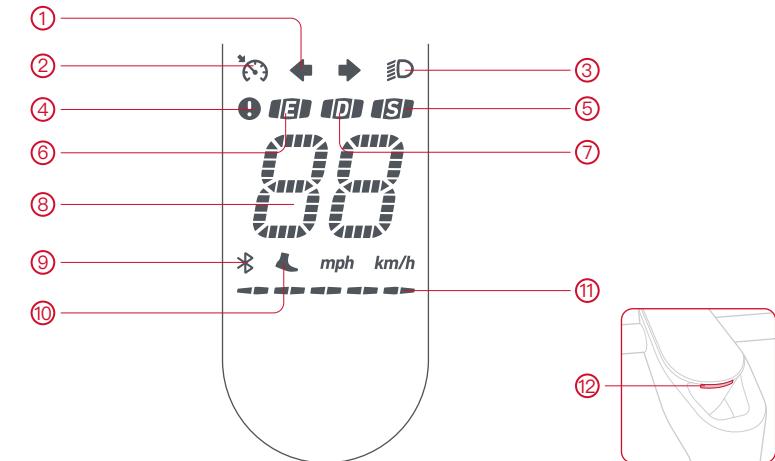
Handlebar Functions



A Left Turn Signal Button
B Power Button
C Throttle
D Horn Button
E Right Turn Signal Button

Name	Function	Operation method
Power Button	Power on	Press the power button to power on scooter. This function is only active when the NIU link unlock feature is enabled in the NIU app.
	Power off	Press and hold to power off.
	Activate the NFC	If not in use for an extended period, press power button before using the NFC card to power on.
	Mode switch	Short press *1 to switch modes
	Turn on/off the headlight	Short press *2 to turn on/off the headlight
	Turn on the Bluetooth	Short press *3 to turn on Bluetooth
	Speed unit switch	Short press *4 to choose km/h or mph
	Switch to pedestrian mode	Short press *5 to switch to pedestrian mode
Turn Signal Button	Turn on/off the turn signal	Press the left/right button to activate the turn signal
	Turn on the hazard light	Short press the left/right turn signal button twice to turn on/off the hazard light
Horn Button	Turn on the horn	Press to activate the horn

Dashboard Info



① Turn Signal Indicator

④ Warning

⑦ Dynamic Mode

⑩ Pedestrian Mode

② Cruise Mode

⑤ Sport Mode

⑧ Speedometer

⑪ Battery Indicator

③ Headlight

⑥ E-Save Mode

⑨ Bluetooth

⑫ Dashboard Light

Indicates that the scooter has detected an error. The error code will display on the dashboard. See troubleshooting page for possible causes and solutions.

Speed limit: 25 km/h (15.5mph)
Switching method: Short press the Power Button once to switch modes.

Speed limit: 25 km/h (15.5mph)
Switching method: Activate feature in the app to set speed range and acceleration. Press power button to switch modes.

Speed limit: 6 km/h
Switching method: Short press the Power Button five times to switch to pedestrian mode.

Speed limit: 25 km/h (15.5mph)
Switching method: Short press the Power Button once to switch modes.

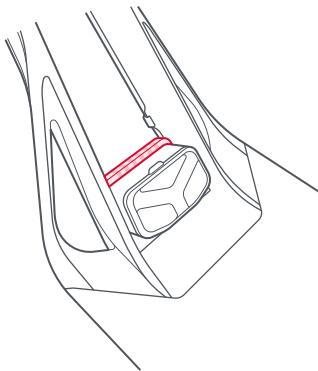
Displays the current speed of the scooter.

Displays the remaining battery power in battery bar.

Indicates that the scooter is connected to the app.

Color changes based on the scooter's status.

Ambient Light Functions



Riding lights

When riding the scooter, the ambient light length changes with the adjustment of the throttle. It can also be switched to different modes in the NIU app.

Charging tips

While charging, you can view battery level on the indicator.

Scooter status

The scooter status will be shown in the light, such as when the turn signals are being turned on.

Specifications

		KQi Air	KQi Air X
Product size	Unfolded: Length × width × height	1139 × 541 × 1186 mm (44.8 × 21.3 × 46.7 in)	
	Folded: Length × width × height	1139 × 541 × 480 mm (44.8 × 21.3 × 18.9 in)	
Product weight	Net weight	Approx. 11.9 kg (26.2 lbs)	Approx. 11.6 kg (25.6 lbs)
Riding request	Maximun Load	120 kg (265 lbs)	
	Minimum Age	14+ years old	
	Rider Height	120-200 cm (3'11"~6'6")	
Vehicle Specifications	Maximum vehicle speed	Approx. 25 km/h (15.5 mph)	
	Average battery life ^[1]	Approx. 50 km (31 miles)	
	Maximum Slope ^[2]	20%	
	Applicable terrain	Flat pavement, steps not higher than 1cm (0.4 in), and road gap not exceeding 3 cm (1.2 in)	
	Operating Temperature	-10~45°C (14~113°F)	
	Storage temperature	0~40°C (32~104°F)	
	A-weighted emission sound pressure level	50dB	
	IP rating	IP54	
	Bluetooth	Bluetooth Operating Frequency 2400-2483.5 MHz	
Bluetooth	Max Radio Power	0 dBm	

		KQi Air	KQi Air X
Battery pack parameters	Rated voltage	48 V	
	Nominal Capacity	451.2 Wh	
	Charging voltage	54.6 VDC	
	Charging temperature	0~45°C (32~113°F)	
	Battery management system	7th NIU Energy™ smart power tech	
Motor parameters	Rated power	350 W (0.35 kW)	
Tire parameters	Tire technical specifications	9.5" x 2.3"	
	Recommended tire pressure	45-50 psi	
Charger parameters	Input voltage	100-240 V ~ 2.0 A 50-60 Hz	
	Rated output	54.6 V---2.0 A	
	Output power	109.2 W	
	Charging time	Approx. 5h	

[1] Average battery life: It is tested when the driver weighting 75 kg (165 lbs) drives at a constant speed of 15 km/h (9.3 mph) on a flat road in the ambient temperature of 25°C (77°F) in case of a full battery. (Factors affecting battery life include speed, number of startups and shutdowns, kinetic energy recovery setting, driver weight, ambient temperature.)

[2] Maximum Slope: The maximum gradient that driver weighting 75 kg (165 lbs) gets through at a constant speed of 8 km/h (5 mph) in the ambient temperature of 25°C (77°F) in case of a full battery.

Troubleshooting

Error Code	Cause	Troubleshooting
31	Battery MOS tube damaged	Please contact the dealer
32	Battery moistened by water	
37	Battery short-circuit protection warning	
33	Battery open-circuit or imbalance warning	
34	Batter low-temperature warning	Place the vehicle at room temperature and try again after the temperature is recovered
35	Batter over-temperature warning	Please keep the vehicle still and use it after the internal temperature of the vehicle is normal
38	Battery charging overcurrent protection warning	Please disconnect the charger
39	Battery discharging overcurrent protection warning	Please contact the dealer
40	Battery over-charging warning	You can ride normally, and battery will automatically recover after electricity reduces
41	Battery over-discharging warning	Please charge the vehicle
42	Battery communication fault and verification failure	Please contact the dealer
01	Power tube fault of the controller	Please contact the dealer
02	Brake fault	Please check the state of brake handle or contact the dealer

Error Code	Cause	Troubleshooting
03	Accelerator fault	Please check the state of accelerator switch or contact the dealer
04	Controller overcurrent	Please contact the dealer
05	Controller over-temperature	Please make the vehicle still and use it after the internal temperature of the vehicle is normal
06	Fault of driving power of the controller	Please contact the dealer
08	Undervoltage/overvoltage of the controller	Please charge the vehicle or contact the dealer
07	Controller communication fault and verification failure	Please contact the dealer
10	Motor locked-rotor	
11	Motor phase loss	
12	Motor HALL fault	
13	Motor over-temperature	Please make the vehicle still and use it after the internal temperature of the vehicle is normal

Certifications

For model: KQi Air / KQi Air X



Bluetooth Operating Frequency: 2400-2483.5MHz; Max Radio Power: 2dBm

Federal Communications Commission (FCC) Compliance Statement for USA

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.

FCC ID: 2AZ6G-KAYC3121

Industry Canada (IC) Compliance Statement for Canada

This device complies with Industry Canada license-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.

CAN ICES-3(B)/NMB-3(B)

IC:27459-KAYC3121

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: Unauthorized modifications could void the user's authority to operate the 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. 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:

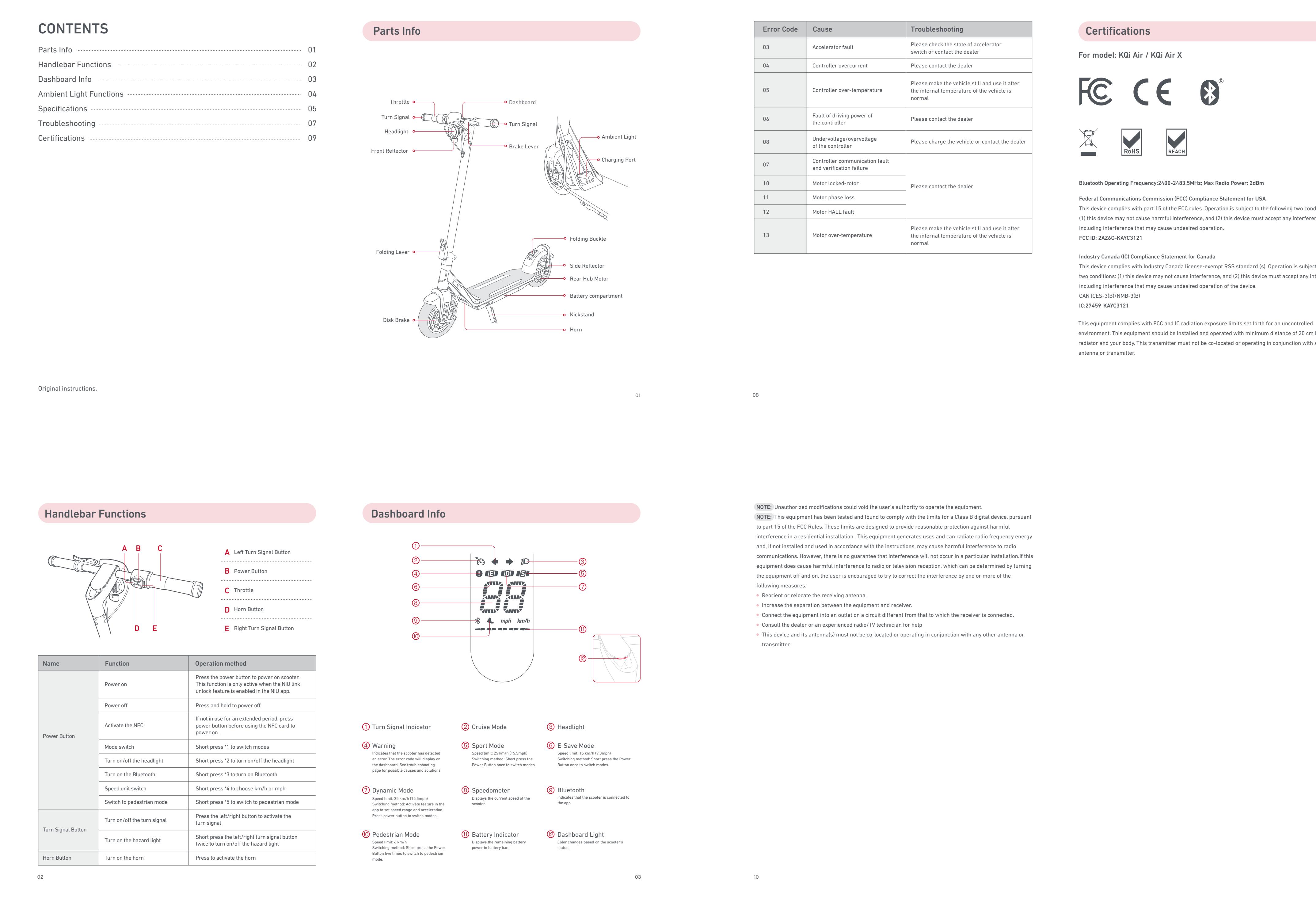
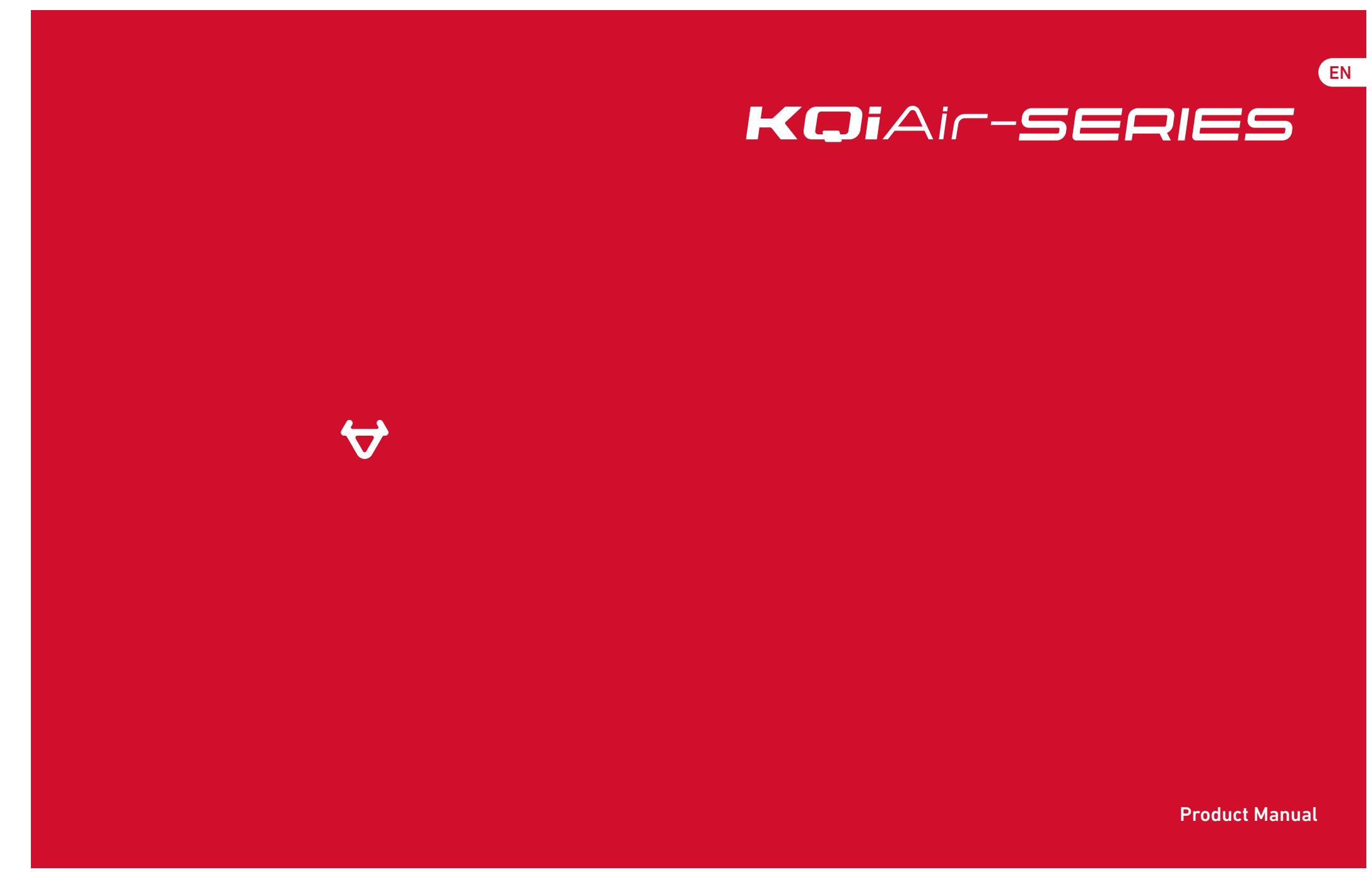
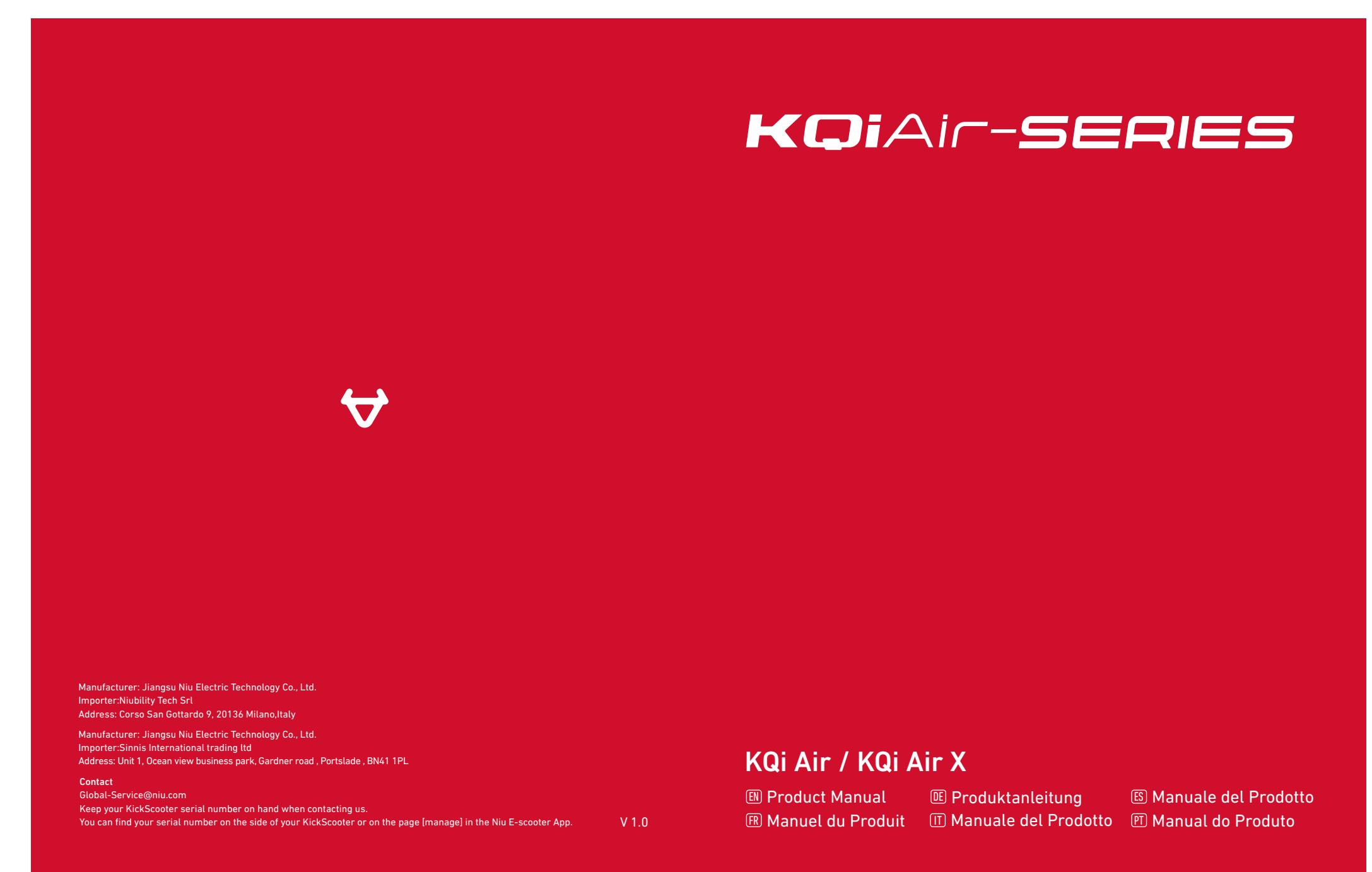
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help
- This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

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



技术说明：

- 1、材料(楞形\克重配比): 68g白色双胶纸、封面-120g铜版纸, 覆亚膜
- 2、工艺: 正反面印刷 胶装
- 3、印刷颜色: 2专 PANTONE Cool Gray 11C  PANTONE 186C 
- 4、其他特殊说明:

严禁更改任何图案和位置分布！

尺寸 成型尺寸：170*140 mm

展开尺寸： 方向

公差 (无特殊说明下)

纸箱类: ± 3 mm
标签类: ± 0.5 mm

PE袋类： 0~20 cm ± 2 mm
50~100cm ± 5 mm

裁切线

压线

The diagram illustrates a stepped slot structure. At the top, there are two parallel horizontal lines. Below them, a rectangular area is divided into a grid of squares. The top-left square of this grid is shaded gray. Diagonal lines are drawn from the top-left corner of this shaded square to its bottom-right corner, creating a diamond shape. This pattern of diagonal lines repeats across the entire grid, forming a larger diamond lattice. The text '升槽' (Step Slot) is positioned above the top line, and '粘合区域' (Bonding Area) is positioned to the right of the grid.

比例 1 · 1

1. **What is the primary purpose of the study?** (1 point)