

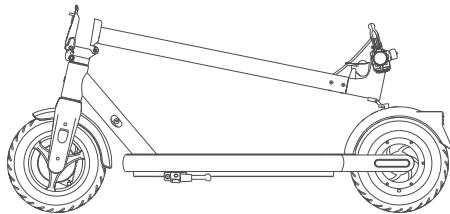
## 3 Product Display

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Unfolded status



Folded status





This QR code is a video tutorial for product use. It is recommended to scan this QR code to learn more about how to use the product.



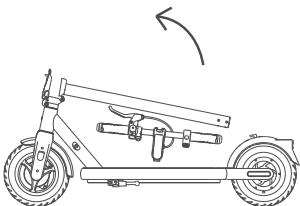
Pay attention  
before riding!

1. Press the power key to open the scooter.
- ⚠ 2. **For safety, the factory setting of scooter FN-E8 is non-zero start, you need to slide the scooter to 2mph, and the throttle can be used normally.**
3. The scooter can be turned on normally and cannot ride in walking mode, but can only be pushed.
- ⚠ 4. **Can't start when charging.**
5. Do not throw away the manual, please refer to the manual for specific operations.

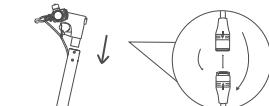
## 4 Scooter Assembly

1.Unfold the folding mechanism of FN-E8 and put down the kickstand.

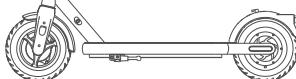
Unfold FN-E8 and fix the folding mechanism.  
(Refer to "Folding and Carrying" for details of unfolding.)



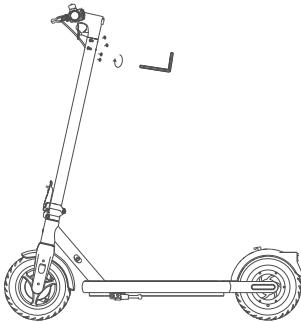
2.Insert the handlebar into the scooter stem.



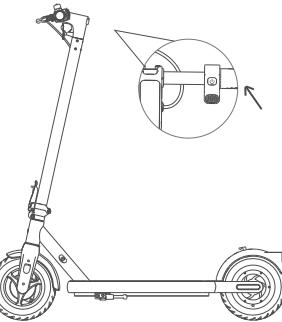
Connect the line connector in the head and riser.



3.Use the tools included in the package to tighten the screws.



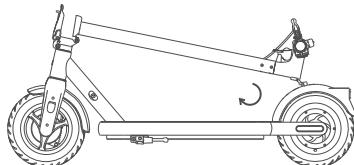
4.After assembly, check whether the power switch can work normally.



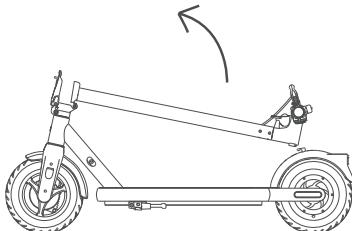
## 5 Unfolding/Folding/Carrying

### 1. Unfolding Operations

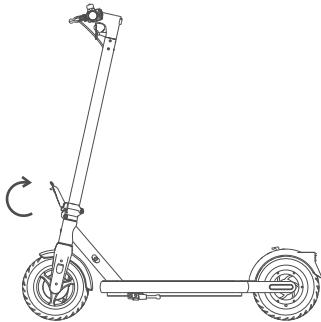
1. Turn the folding clip clockwise until it is fully open.



2. Pull up the body lever while opening the folding clip.



3. Turn the folder clockwise until it is fully snapped.



4. Check whether the folder key is returned to the bottom.

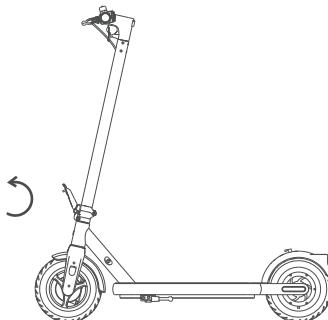


## 2. Folding Operations

Note: For safety, it is recommended to fold the scooter after it is shut down.

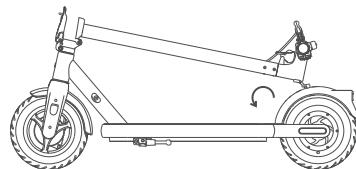
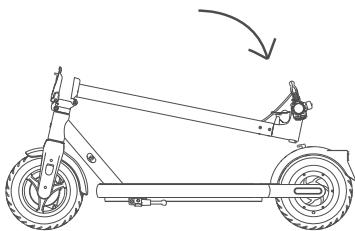
1.Lift the folder key up.

2.Rotate the folder counterclockwise while lifting the folder key.

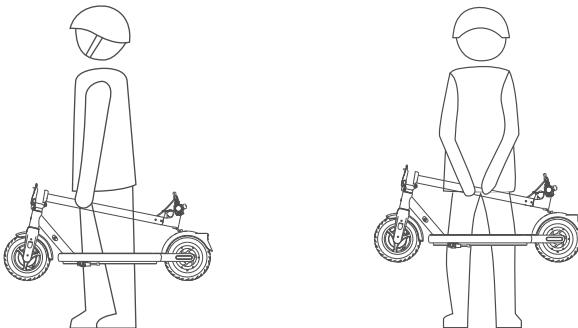


3.Lower the body rod slowly.

4.Open the folding clip and hang it on the rear fender buckle.



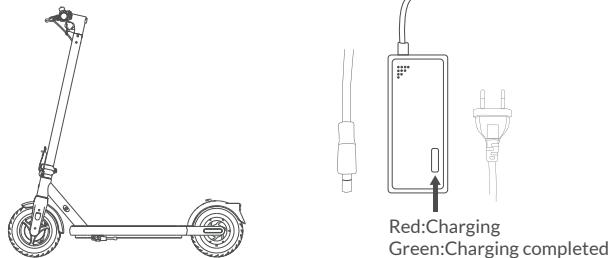
### 3. About Carrying



After folding, you can carry the scooter with one or two hands.

### 4. About Charging

! When the indicator light is red, it indicates that it is charging, and when fully charged, it will turn green. During charging, the scooter cannot be opened and the charger needs to be unplugged to open it.

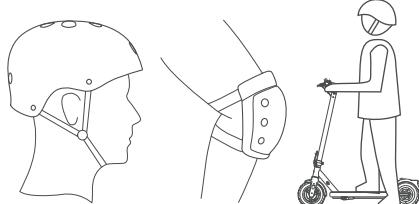


Red:Charging  
Green:Charging completed

# 6 Riding and Parking

## Preparation for riding

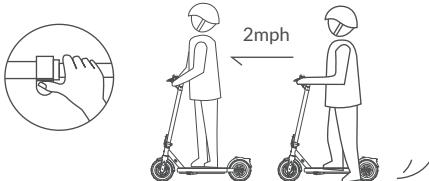
- 1.Select an appropriate riding place.
- 2.Unfold the scooter according to the unfolding instructions and wear protective equipment.
- 3.It is necessary to check that the steering system is correctly adjusted, that all connection elements (such as a folding system) are correctly tightened and not broken, and that the brakes and wheels are in good condition.



## Riding

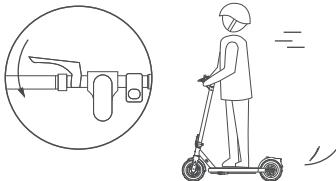
- 1.Press the power button to turn on the scooter.
- 2.Put one foot on the footboard and the other foot on the ground.
- 3.Make the scooter body slide forwards to 2mph and gently press the right thumb accelerator. The scooter will slowly run forwards. When the scooter is running steadily, put the other foot onto the footboard. The larger holding angle of the right thumb accelerator, the higher the speed.

Note: For the riding safety, FN-E8 has a non-zero start mode. The accelerator cannot be enabled until the body slides forwards for a certain distance.

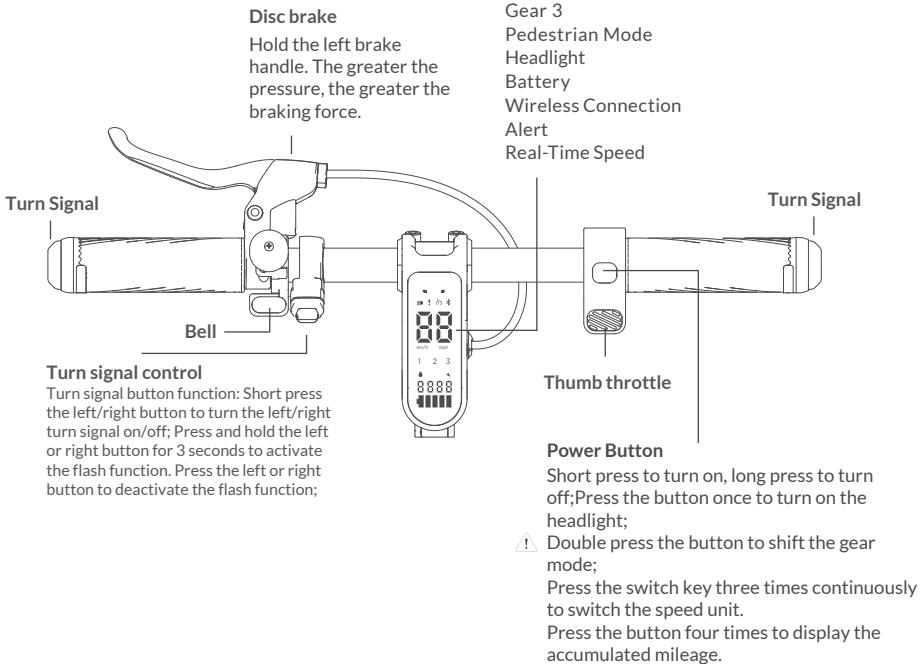


## Stop

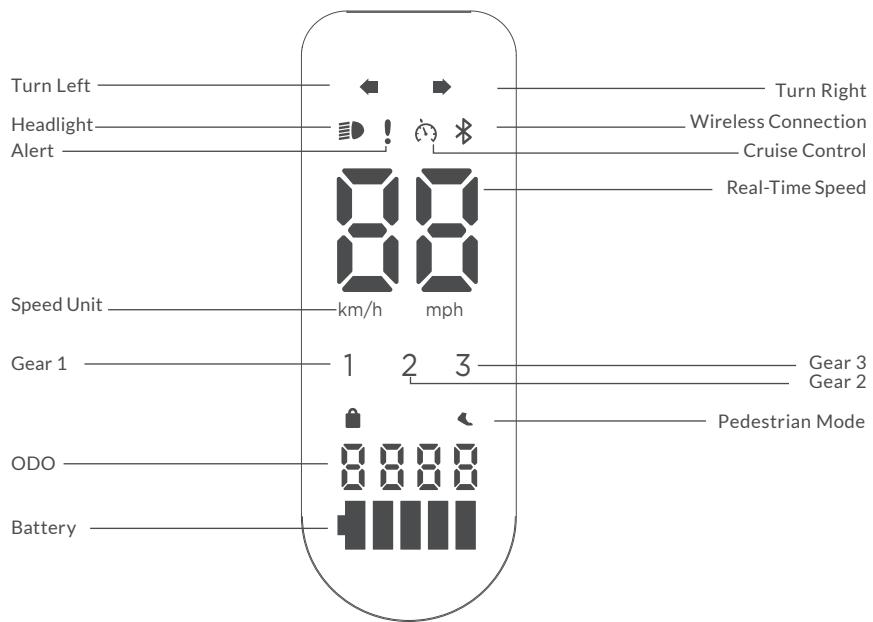
- 1.Under normal circumstances, if you hold the left brake lever, the motor will be immediately powered off and subject to braking. The greater the holding force, the greater the braking force.
- 2.Under emergency conditions, you can step on the rear brake to simultaneously enable the electromagnetic brake of the front wheel and friction brake of the rear wheel.



# 7 Control System



## LED Display



## **Power Switch**

Power button function:

Short press to turn on, long press to turn off;

Press the button once to turn on the headlight; Double press the button to shift the gear mode; Triple press the button to shift the speed unit. Press the button four times to display the accumulated mileage.

Two startup modes:

1. Non-zero start, power-assisted gliding speed is greater than 2mph, press the dial motor to start working;

2. Brake lever start, Turn this mode on in the APP, hold the brake lever and release it within

3 seconds, then press the accelerator paddle motor to start working; If the brake lever is released for more than 3 seconds and pressing the accelerator is ineffective, you need to repeat this action and press the accelerator again within 3 seconds to start working;

## **Gear Setting**

Press the power button twice quickly to switch the gear. The gear can be set to Level 1 (max. 10mph), Level 2 (max. 15mph), Level 3 (max. 20mph) and the pedestrian mode(max. 3mph).

## **Brake Control**

Hold the left brake handle. The greater the pressure, the greater the braking force.

## **LED Headlight Switch**

After switching on the scooter, click the LED headlight switch to turn it on/off.

## **Emergency Braking**

Under normal circumstances, do not use emergency braking vigorously during high-speed driving, so as to avoid the riding risk or damage to the rear wheel. The company is not responsible for the damage.

## **Turn signal control**

Turn signal button function: Click the left button to switch the left turn signal; click the right button to switch the right turn signal; long press the left or right button for 3 seconds to turn on the flash function; click the left or right button to turn off the flash function.

## **Noise emission**

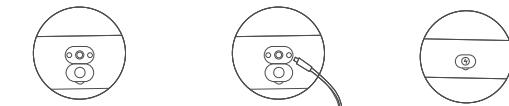
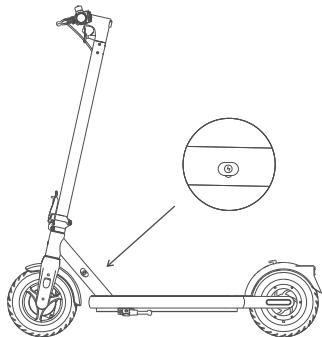
The A-weighted emission sound pressure level of the vehicle in operation is less than 70 dB(A).

## 8 Indication Description

If there is anything abnormal about the scooter, the warning indicator will flash, with the flashing value 1-22 displayed.

Codes	Errors	Solutions
E10	controller/instrument communication failure	<ol style="list-style-type: none"><li>1. Check whether the display and adapter cable are connected properly.</li><li>2. Check whether the adapter cable and controller are connected properly.</li><li>3. Replace the cable between display and controller.</li><li>4. Replace the display.</li><li>5. Replace the controller.</li></ol>
E14	Handlebar failure	<ol style="list-style-type: none"><li>1. Replace the throttle.</li><li>2. Release the throttle to return it to its original position. If the error still occurs, replace the throttle.</li></ol>
E15	Brake failure	<ol style="list-style-type: none"><li>1. Replace the brake.</li><li>2. Release the brake to return it to its original position. If the error still occurs, replace the brake.</li></ol>
E16	Motor Hall failure	The motor hall is damaged, replace the motor.
E19	Under voltage protection	Charge or replace battery.
E50	Over voltage protection	<ol style="list-style-type: none"><li>1. Battery failure, replace the battery.</li><li>2. Replace the motor.</li></ol>
E53	Blocking fault	<ol style="list-style-type: none"><li>1. Release the throttle and make sure there are no obstacles outside the motor.</li><li>2. Replace the motor.</li></ol>
E54	MOS fault or motor phase line short circuit fault	<ol style="list-style-type: none"><li>1. Check whether the motor wire is damaged. If damaged, replace the motor.</li><li>2. Replace the controller.</li></ol>

## 9 About Charging



Open the protective cover of the charging port.

Connect the charger.

After charging, push the protective cover back in

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1. Open the charge port cover, insert the charge cable, and insert the power plug into the power socket.
2. While charging, the scooter cannot be ridden.

## 10 About the Battery and Charger

Each FN-E8 electric scooter is equipped with a dedicated lithium battery and charger cable. Both the scooter and its accessories have product identification numbers. It is forbidden to use the charger cable of other brands. The charger cable provided by the company must not be used for other purposes. The company is not responsible for the resultant damage to the battery or charger.

**Battery** 

The lithium battery provided by the company can be recharged for at least 300 times. Please charge full battery for the first time before using it. The battery can be charged at any time, and there is no any damage to charge it frequently. Meanwhile, please don't forget to charge it per 3 months if you don't use it for a long term.

Operating Temperaturee

Charging: 32°F~104°F

Discharge:14°F~140°F

Storage Temperature

23°F~95°F(With package)

Charger adapter 

The dedicated charger provided by the company has charging protection function for the built-in battery. When the battery is 100% charged, the charger will turn off output automatically. The charging time is about 4-5 hours. Damage to the battery arising from water, collision and other abnormal factors is excluded from the warranty policy.

Production factory: SHENZHEN FUYUANDIAN POWER CO..LTD

MODEL: FY0634201500

INPUT: AC100-240V 50/60Hz 1.8A

OUTPUT: 42.0V == 1.5A

Charging instructions 

1. Open the rubber and insert the plug into the hole;
2. Insert another plug of the cable into the electric outlet;
3. Please shut down and keep away from water before charging.
4. Only use the specified cable for charging.
5. Warning: Please be careful not to get electric shock.

Kinetic energy recovery 

Press the brake in the running process to enable the kinetic energy recovery system and convert part of kinetic energy into electrical energy to be stored and used. The kinetic energy recovery system can enhance the experience of emergency braking. At the same time, the recovered kinetic energy can help increase the endurance. Changes in the power are displayed simultaneously.

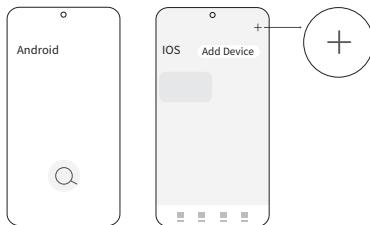
## 11 App Description

We pay great attention to user experience and constantly inject new functions into the App, so the App UI may change with version updating. The following contents are for reference only, please follow the instructions based on the current App version.

1. Please use your mobile phone to scan the QR code to download the App, or search "invanti" in the app store to download and install it. If you have installed the App, please make sure it is the latest version.



2. Open the App, complete the registration for the first time use. After registering, please login to the homepage, tap "+" on the upper right or Search Devices button in the mid-lower section, then follow prompts to add your scooter. Please keep your Bluetooth and scooter on, and try again if you fail to scan.



Special note: About the locking function, it can only ensure that the scooter can't run normally. Due to the light weight of the whole scooter and the whole scooter is composed of mechanical parts, it can be removed with corresponding tools. To prevent your electric scooter theft, suggest always park your scooter in a well-lit and highly visible area for you, or invest in a high-quality and sturdy lock that can keep it securely locked up.

# 12 Maintenance

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## Lubrication



For maintenance, add a small amount of white grease or lubricant to the folded part once every six months. Check the scooter once every three months for screw loosening. Tighten the loose screw.

## Battery



When you get the electric scooter for the first time, please fully charge the battery before using the scooter. The battery can be charged at any time to ensure the power supply. It will not be damaged during charging. When not in use, the battery needs to be charged once every three months.

\*Laboratory data

## Storage and daily maintenance



Avoid leaving scooter under direct sunlight or in severely humid places for a long time.

Keep the scooter clean.

Regularly check the tightening of the various bolted elements, in particular the wheel axles, the folding system, the steering system and the brake shaft.

## Cleaning Recommendations



If you see stains on the scooter's body, wipe them off with a damp cloth. If the stains won't scrub off, put on some toothpaste, and brush them with a toothbrush, then wipe them off with a damp cloth.

Do not clean the scooter with alcohol, gasoline, kerosene or other corrosive and volatile chemical solvents to prevent dire damage. Do not wash the scooter with a high-pressure water spray. During cleaning, make sure that the scooter's turned off, the charging cable is unplugged, and the rubber flap is closed as water leakage may result in electric shock or other major problems.

## Routine Inspection



1. Before riding, please confirm the folding mechanism is locked;
2. Please check whether the tires are badly worn. Please contact the local authorized dealer if they need to be replaced;
3. Please check whether the tire pressure is at the standard value. If the tire pressure is too low, please inflate the tires immediately;
4. Please check whether the wear condition of the brake pad affects the use of the brake system. If so, please contact the local authorized dealer to deal with the problem;
5. The screws used in this product are self-tightened screws. Please note that the effect may be gone after several times of tightening.
6. **WARNING – Risk of Fire and Electric Shock – No User Serviceable Parts.**
7. Prolonged Exposure to UV Rays, Rain and the Elements May Damage the Enclosure Materials, Store Indoors When Not in Use.

## 13 Parameter Configuration

Parameter	Product name	Electric scooter FN-E8
	Model	FN-E8
Size	Upright: L x W x H	44.56inch×19.68inch×47inch
	Folded: L x W x H	44.56inch×19.68inch×19.25inch
Weight	Net weight	36.8lbs
Status	Max Load	220lbs
Main parameters	Max Speed	20mph
	Full-battery endurance	13.7mile (depending on the environment, angle, speed, driving habits and other factors)
	Max Incline	15%
	Tyre	10-inch pneumatic Tire
	Brake system	Drum brake+Electronic brake
	Display	Speed, kilometers, gear etc.
	Lighting system	LED high-brightness headlight taillight
	Motor power	350W
	Adapter Rated input voltage	100V-240VAC 50/60Hz
Charging parameters	Lithium battery	36V-6AH
	Charging time	4-5h
Wireless parameters	Wireless frequency range	2402~2480 MHz
	Wireless output power	<0 dbm

# 14 Authentication

## Applicable model: FN-E8

The product has passed the ANSI/CAN/UL-2272 certification of the CSA.

The battery complies with the UN/DOT 38.3.

According to the Federal Communications Commission (FCC) Compliance Statement as follows:

The product complies with part 15 of the FCC rules, and the operation must meet the following two conditions: (1) the product should not cause harmful interference, and (2) the product must accept any received interference, including interference that may lead to accidental operation. Any change or modification not expressly approved by the responsible party may make void the user's right to operate the product.



### The EU Compliance Statement is as follows:

WEEE needs to properly dispose of and recycle the product. This sign indicates that the product should not be disposed of together with other domestic waste throughout the EU.

Therefore, in order to prevent possible harm of uncontrolled waste treatment to the natural environment or human health, it is necessary to recycle it and promote the sustainable reuse of material resources. To recycle the used product, use the return and collection system or contact the retailer who can use the product for environmentally safe recycling.



### EU Battery Recycling Information:

Batteries or battery compartments are marked in accordance with the European Directive 2006/66/EC and the amendment 2013/56/EU on batteries and accumulator cells and scrap batteries and accumulator cells.

The directive applies to the recycling framework of waste batteries and accumulator cells throughout the EU. The label on the battery indicates that the battery should not be discarded, but recycled at the end of its service life according to the directive.

According to the European Directive 2006/66/EC and the amendment 2013/56/EU, batteries and accumulator cells are labeled to indicate that they will be collected separately and recycled at the end of their service life. The label on the battery may also contain the chemical symbols of the relevant metals in the battery (Pb, Hg and Cd). Users should not dispose of batteries and accumulator cells as garbage, but use the collection framework available to customers to recycle and dispose of batteries and accumulator cells. With the engagement of users, it is important to minimize any potential impact of batteries and accumulator cells on the environment and human health due to the presence of potentially hazardous substances.

Before placing electrical and electronic equipment (EEE) into a waste collection stream or waste collection facility, users of equipment containing batteries and/or accumulator cells must remove these batteries and accumulator cells for separate collection.

Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) Directive.

The products and parts (cables, wires, etc.) of Invanti (Beijing) Technology Co., Ltd comply with the requirements of directive 2011/65/EU on restricting the use of certain hazardous substances in electrical and electronic equipment ("RoHS recasting" or "RoHS 2")

## CE Trademark and Legal Statements

Invanti is a registered trademark of Invanti (Beijing) Technology Co., Ltd (hereinafter referred to as "Invanti", which is authorized to be used by Solowii (Beijing) Technology Development Co., Ltd. Android and Google Play are trademarks of Google Inc. and the App Store is the service mark of Apple Inc. Their respective owners reserve the trademark rights mentioned in this user manual.

The products involved in the registered trademark of Invanti are protected by relevant patent laws.

In this user manual, we make our utmost to describe all the instructions and functions of the Pro electric scooter. With constant updates and iteration, the FN-E8 electric scooter received may be slightly different from the product features shown in this manual. For more information, please visit the Apple App Store (iOSTo download the App.

Please note that Invanti has developed products with many functions and different models of products, and some of the functions mentioned here may not be applicable to the product or equipment received. The manufacturer reserves the right to change the design and function of the FN-E8 electric scooter and documents without notice.

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## Contact Us

If you encounter any problems when using the product, please feel free to contact us through the following methods or scan the QR code to get a quick response and a satisfactory solution.

Amazon Platform: "Contact Seller"  
Email Address: [aftersales@invanti.com](mailto:aftersales@invanti.com)

Use Camera or QR Scanner to Scan



Get 24/7 Customer Service

### FCC 15.21 Information to user

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

### FCC 15.105 Information to the user(Class B)

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.