

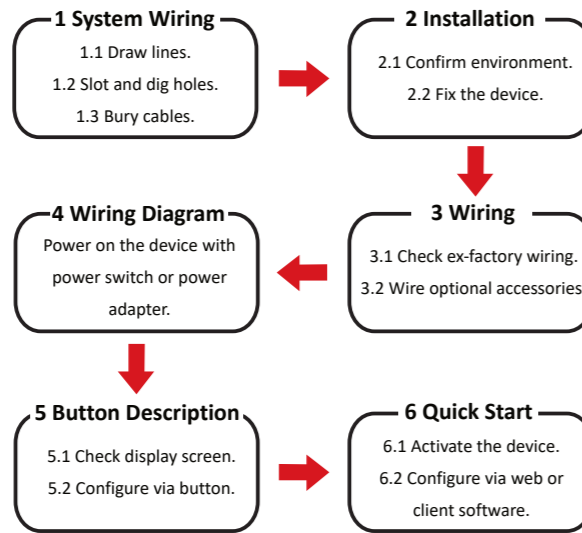


# DS-K3G501X Series Tripod Turnstile

## Quick Start Guide

UD32867B-A

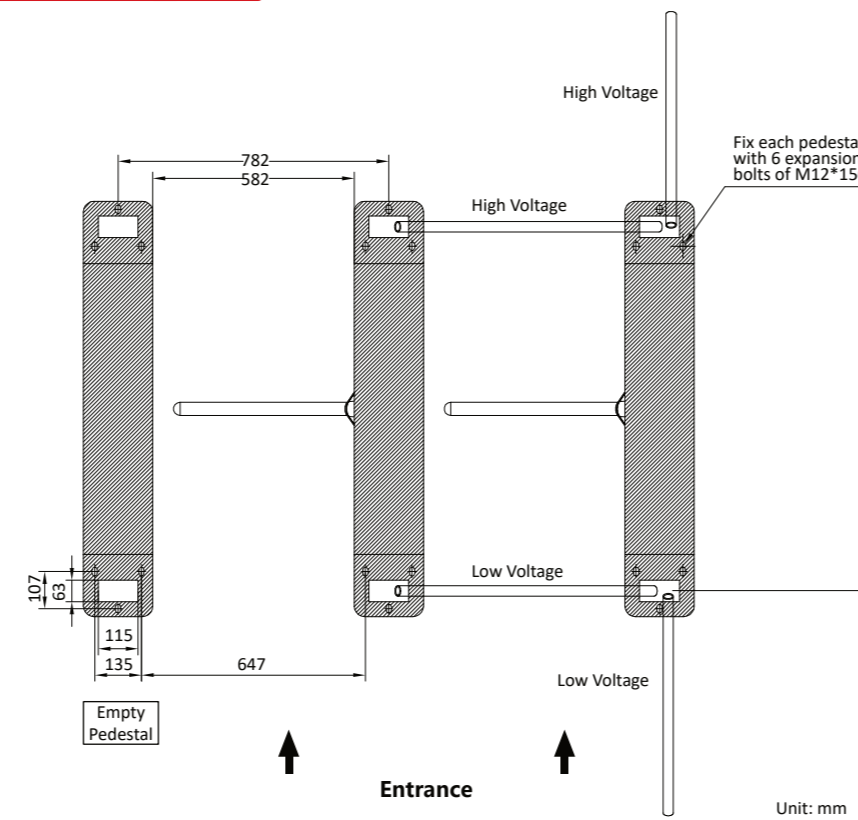
### Quick Start Flow Chart



Scan the QR code to view the user manual.



### 1 System Wiring



**Steps:**

1. Draw a central line on the installation surface of the left or right pedestal.
2. Draw other parallel lines for installing the other pedestals.
3. Slot on the installation surface and dig installation holes according to the hole position. Put 6 expansion bolts of M12\*150 for each pedestal.
4. Bury cables. Each lane buries 1 high voltage cable and 1 low voltage cable. For details, see the system wiring diagram.

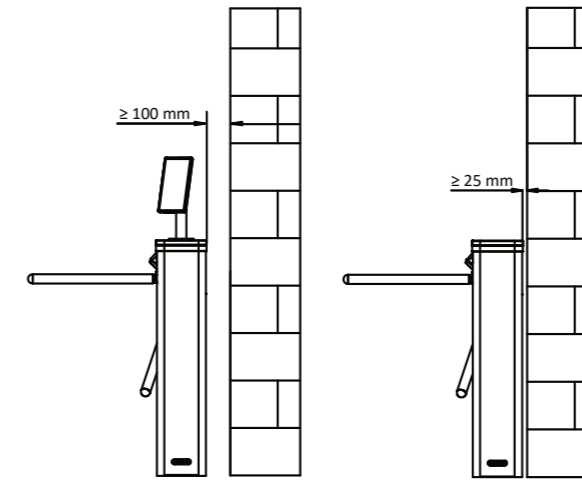
- High voltage: AC power input
- Low voltage: network cable (CAT5E, CAT6 or CAT6E), interconnecting data cable and interconnecting power cable.
- The supplied interconnecting power cable length is 3.75 m, if necessary, you can contact the sales person to replace it with a 5.5 m cable.
- The suggested inner diameter of the low voltage conduit is larger than 30 mm. If the switch (optional) is selected, the suggested inner diameter of the high voltage conduit is larger than 30 mm.
- If you want to bury both of the high voltage cable and the interconnecting cable, the two cables should be in separated conduits to avoid interference.
- If more peripherals are required to connect, you should increase the conduit diameter or bury another conduit for the external cables.

### 2 Installation

**Steps:**

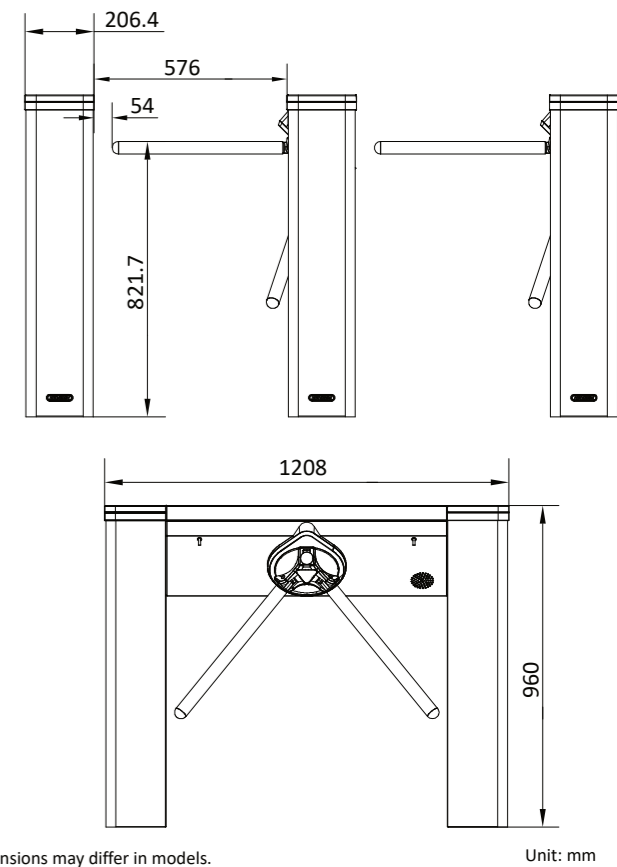
1. Prepare installation tools, check the components, and clean the installation base.
2. Dig holes on the ground according to the installation holes on the pedestals and insert the expansion bolts.
3. Place the pedestals properly on the base.
4. Seal the bottom of the turnstile to avoid water from entering.
5. Secure the pedestals with expansion bolts.

- Make sure the device is installed on flat surface.
- Make sure the device is powered off during installation and other operations.
- The installation tools are put inside the package of the pedestal.
- To prevent stainless steel from rusting due to dirt during construction, it is recommended that the protective film be removed after the installation is completed. There may be residual adhesive at the film cutting position. It is recommended to use WD-40 protective liquid to wipe after tearing the film.
- Avoid immersing the pedestal in water. Under special circumstances, the immersion height should not exceed 150 mm.



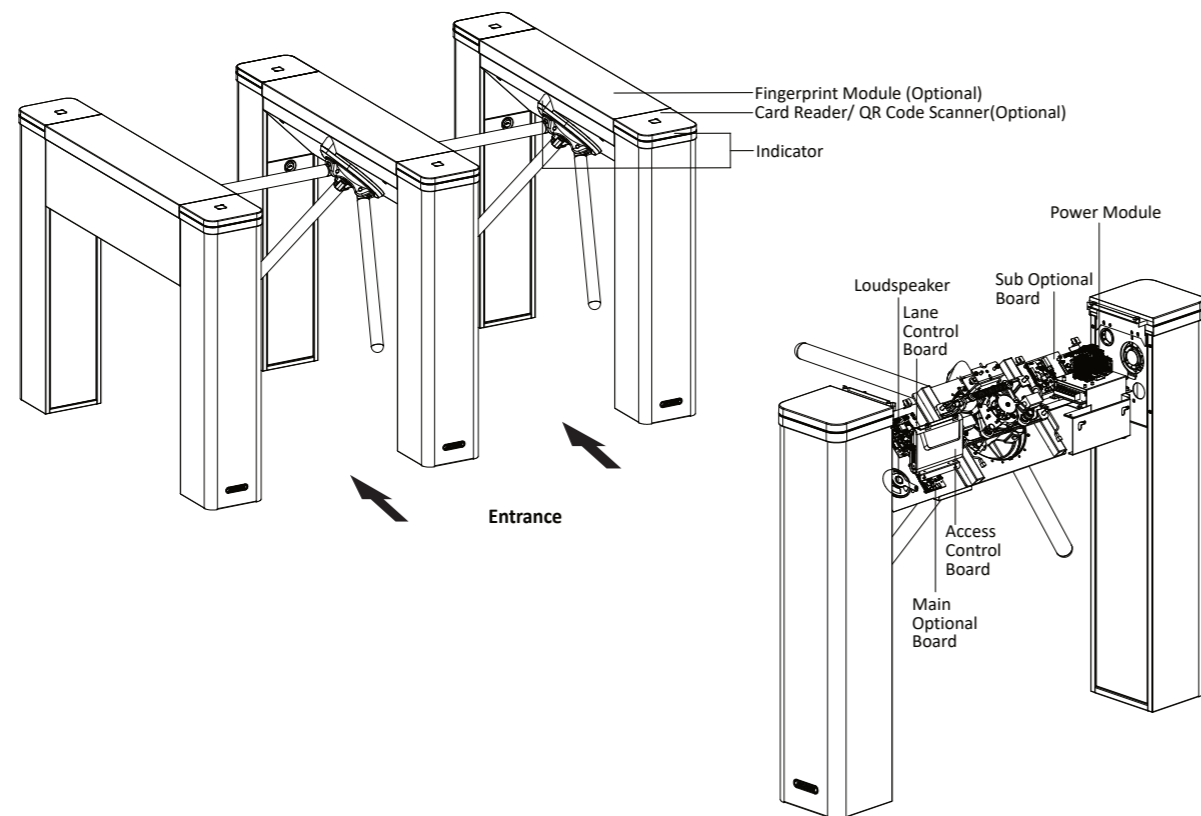
If the installation area is close to the wall, make sure the distance between the pedestal and the wall should be more than 25 mm (100 mm with face recognition terminal), or you might cause damage to the device or cannot open the pedestal's top panel.

### Dimension

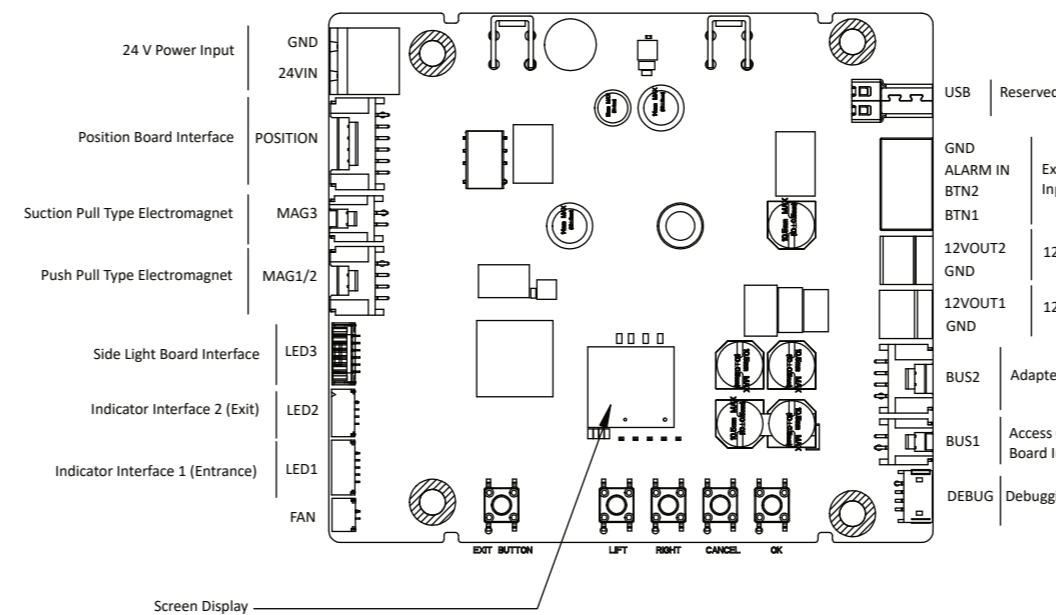


The diagram is for reference. Dimensions may differ in models.

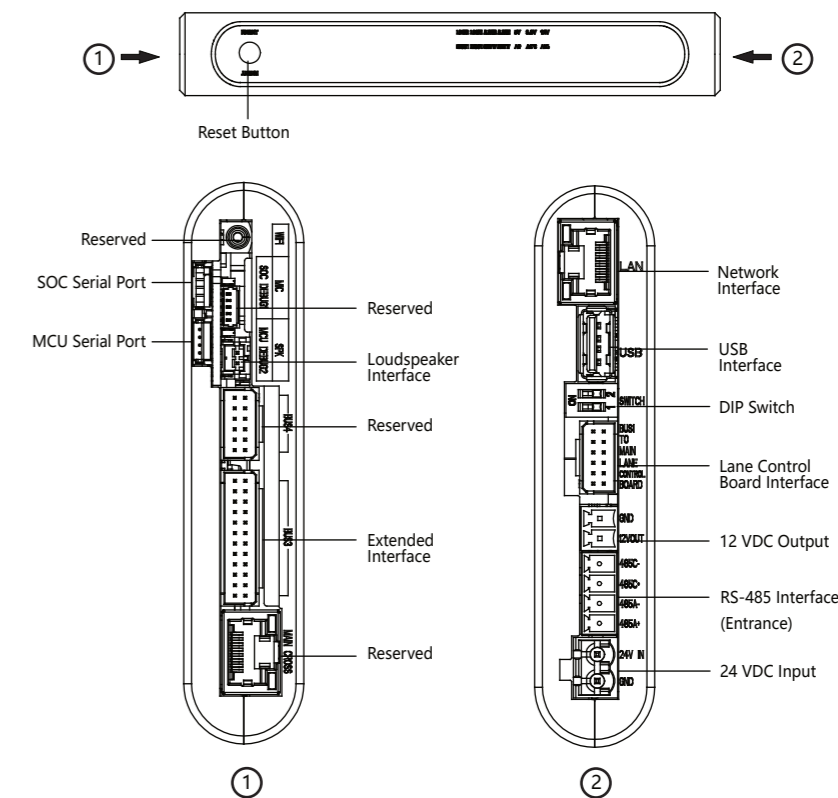
### 3 Wiring



#### Lane Control Board



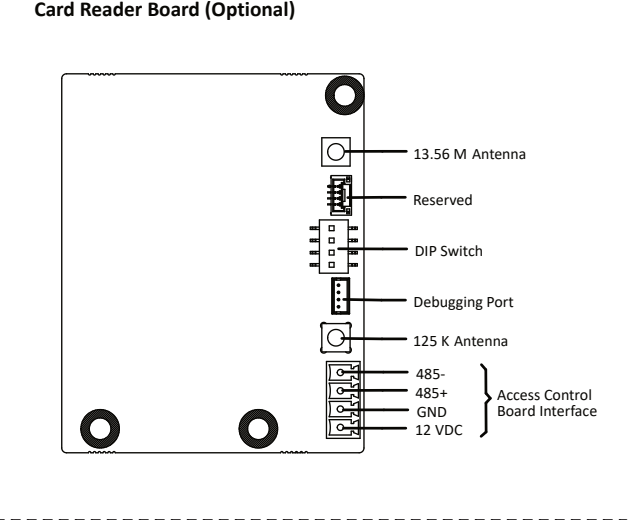
#### Access Control Board



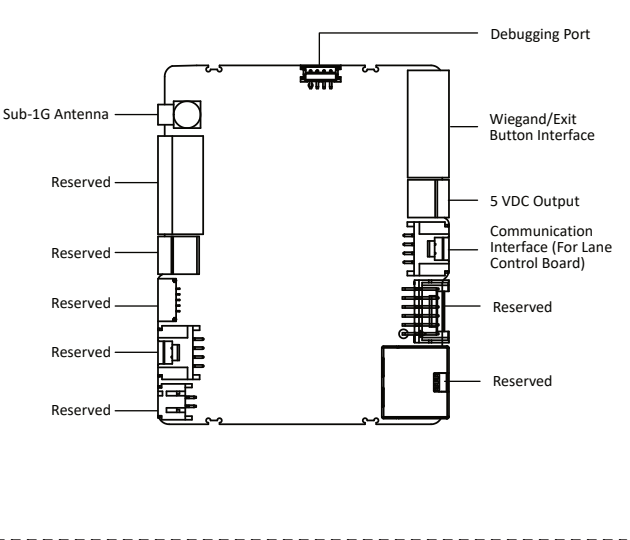
- SOC and MCU serial port are for debugging and maintenance use only.
- Hold the reset button for 5 s, the device will beep for 3 s and start restoring to factory settings.
- RS-485A corresponds to port 5 on web and is for QR code scanner connection at entrance by default; RS-485C corresponds to port 7 on web and is for card reader connection at entrance by default.
- The DIP switch is for study mode settings and keyfob pairing. Refer to the user manual for details.

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About this Manual  
The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (https://www.hikvision.com/). Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.  
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Data Protection  
During the use of device, personal data will be collected, stored and processed. To protect data, the development of Hikvision devices incorporates privacy by design principles. For example, for device with facial recognition features, biometrics data is stored in your device with encryption method; for fingerprint device, only fingerprint template will be saved, which is impossible to reconstruct a fingerprint image. As data controller, you are advised to collect, store, process and transfer data in accordance with the applicable data protection laws and regulations, including without limitation, conducting security controls to safeguard personal data, such as implementing reasonable administrative and physical security controls, conduct periodic reviews and assessments of the effectiveness of your security controls.

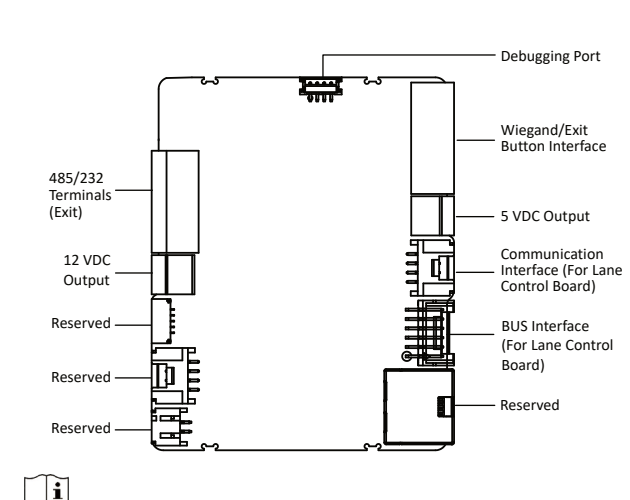
### Card Reader Board (Optional)



### Main Optional Board



### Sub Optional Board

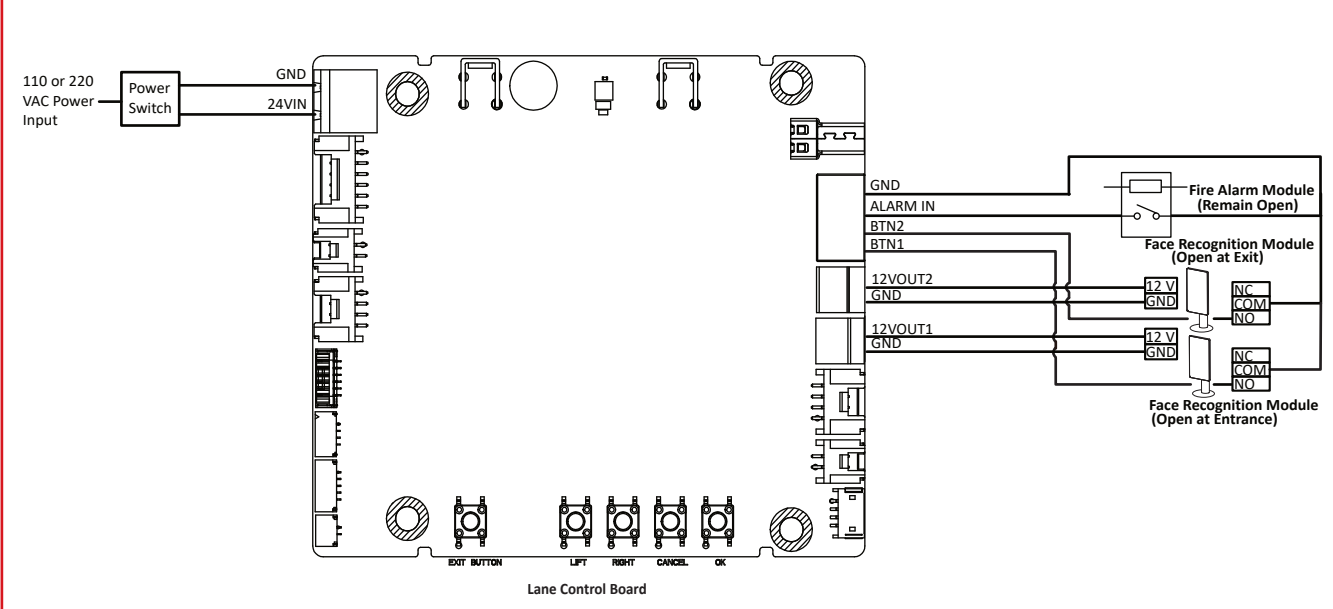


RS-485B corresponds to port 6 on web and is for QR code scanner connection at exit by default; RS-485D corresponds to port 4 on web and is for card reader connection at exit by default; RS-232B corresponds to port 2 on web.

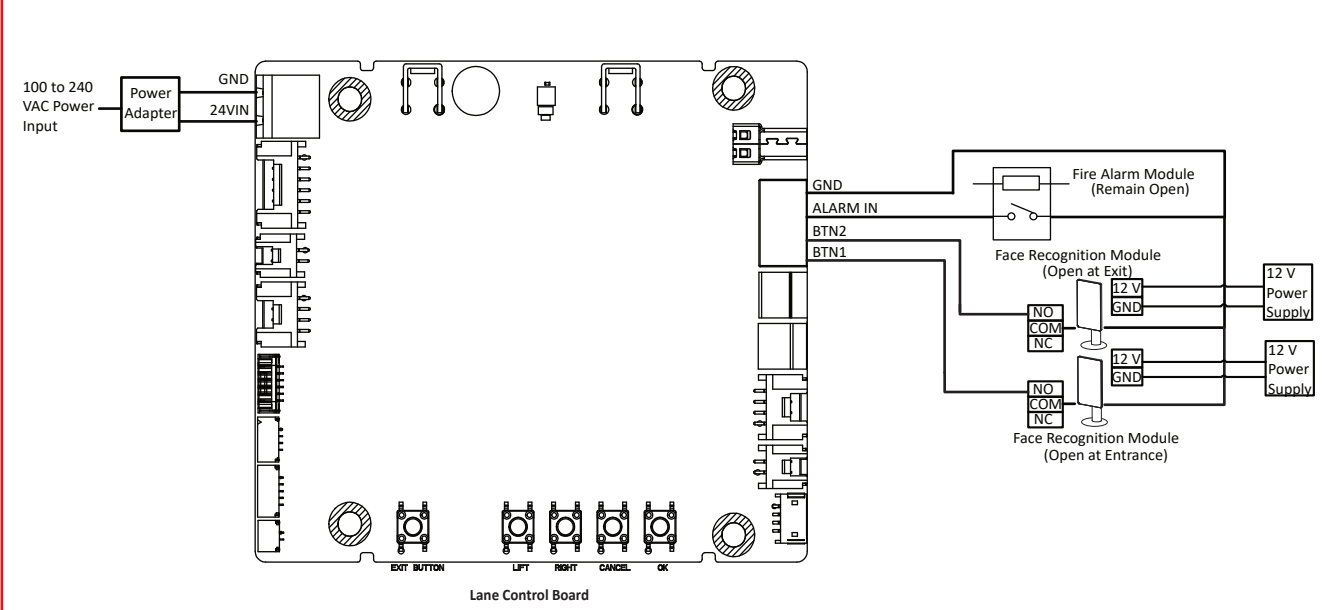
## 4 Wiring Diagram

- The power cable from power supply to the lane control board has been connected. You will need to prepare the 14 AWG power cable to connect the AC power input to power supply.
- Barrier opens at the entrance/exit: connect to BTN1/BTN2 and GND.
- The power switch can select the input voltage of 220 V or 110 V by the DIP switch, and the default setting is 220 V. Please adjust the DIP switch based on the actual AC voltage to avoid damaging the equipment.
- The two 12 V power output interfaces are the power supply for face recognition modules, which is only supported by the models with power switch.
- For models with power adapter, the power supply for face recognition modules is not contained in package.

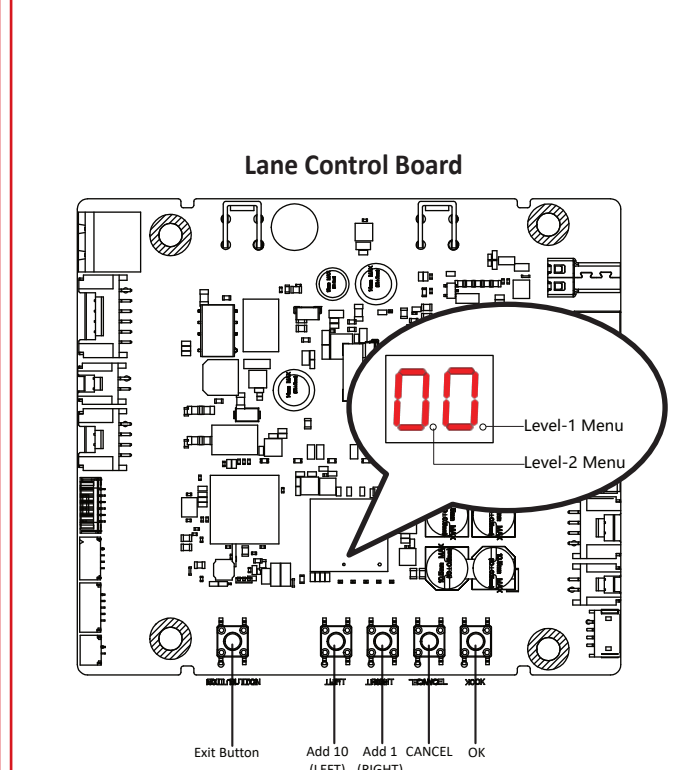
### Turnstile with Power Switch



### Turnstile with Power Adapter



## 5 Button Description

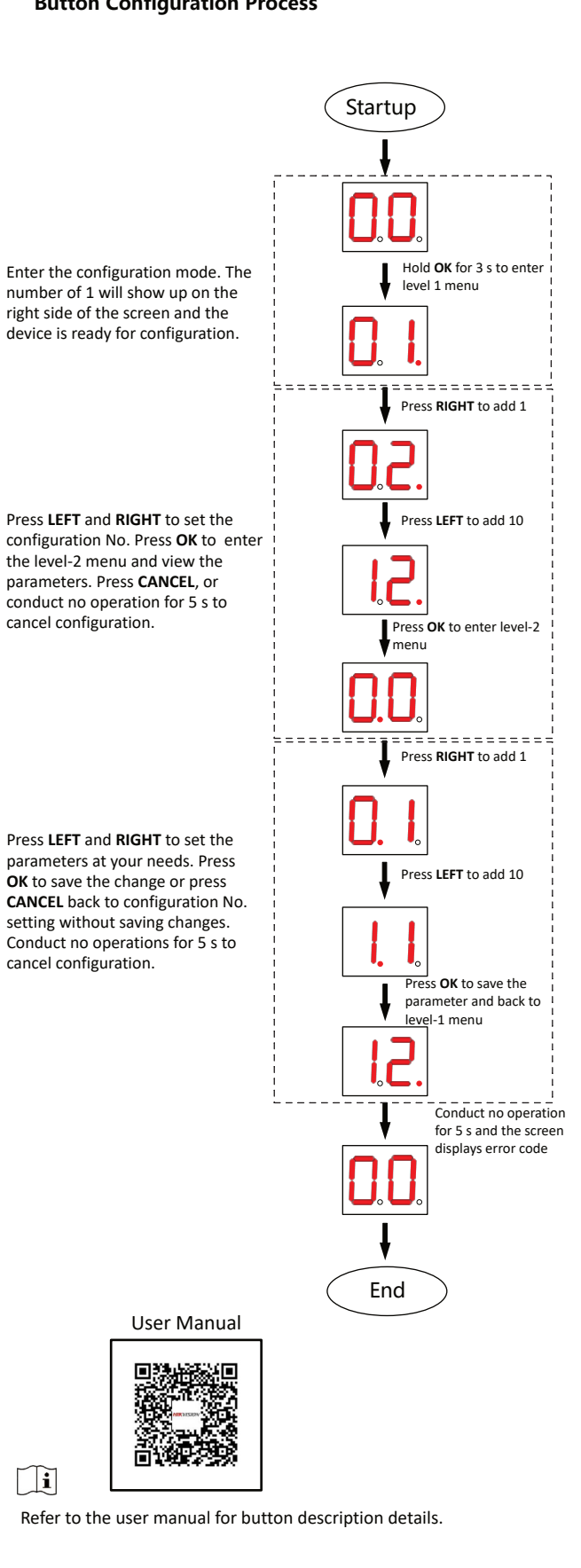


The buttons and the display screen are on the lane control board.

**Exit Button**  
Single press to open from the entrance.  
Double press to open from the exit.

- Configuration via Button**
- Parameter Display  
Parameter is displayed by two digital tubes on the screen.
  - LEFT  
Press the button to add ten to configuration data.
  - RIGHT  
Press the button to add one configuration data.
  - CANCEL  
Return to the level-1 menu, or exit the configuration from the level-1 menu.
  - OK  
Confirm the data, or enter configuration mode, or enter the submenu.
  - Level-1 Menu  
If the decimal point on the right is on, it indicates the level-1 menu. The number represents the configuration item number.
  - Level-2 Menu  
If the decimal point in the middle is on, it indicates the level-2 menu. The number represents the parameters of a configuration item.

## 6 Quick Start



## 6 Quick Start

- Activation**
- Enter the device default IP address (192.0.0.64) and create a new password (admin password) to activate the device.
  - Activate device via client software.
- Configuration via PC Web**
- Make sure the device is activated. Enter the device IP address in the address bar of the web browser and press Enter to enter the login page. Enter the device user name and the password. Click Login.
- Configuration via Client Software**
- After downloading the client software, you can conduct device management, group management, person management and access control management.

## Regulatory Information

**CE**

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Directive 2014/30/EU (EMCO), Directive 2014/35/EU (LVD), Directive 2011/65/EU (RoHS).

Directive 2006/66/EC and its amendment 2013/56/EU (Battery Directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

Directive 2012/19/EU (WEEE Directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

## Safety Instructions

- Warning**
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
  - Do not connect several devices to one power adapter as adapter overload may cause over-heat or fire hazard.
  - If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
  - The equipment must be connected to an earthed mains socket-outlet.
  - Do not touch the bare metal contacts of the inlets after the circuit breaker is turned off. Electricity still exists.
  - 1. This equipment is not suitable for use in locations where children are likely to be present.
  - 2. CAUTION: Risk of explosion if the battery is replaced by an incorrect type.
  - 3. Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
  - 4. Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
  - 5. Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
  - 6. Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
  - 7. Dispose of used batteries according to the instructions.
  - Keep body parts away from fan blades. Disconnect the power source during servicing.
  - Keep body parts away from motors. Disconnect the power source during servicing.
  - Never place the equipment in an unstable location. The equipment may fall, causing serious personal injury or death.
- Caution**
- Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetic radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
  - Do not place the device in extremely hot (refer to the specification of the device for the detailed operating temperature), cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.
  - Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger). The device cover for indoor use shall be kept from rain and moisture.
  - Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
  - Please use a soft and dry cloth when clean inside and outside surfaces of the device cover, do not use alkaline detergents.
  - Biometric recognition products are not completely applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication modes.
  - Ensure correct wiring of the terminals for connection to an AC mains supply.
  - The equipment has been designed, when required, modified for connection to an IT power distribution system.
  - No naked flame sources, such as lighted candles, should be placed on the equipment.
  - The USB port of the equipment is used for connecting to a mouse, a keyboard, or a USB flash drive only.
  - The serial port of the equipment is used for debugging only.
  - This equipment is suitable for mounting on concrete or other non-combustible surface only.
  - 1. Install the equipment according to the instructions in this manual.
  - 2. To prevent injury, this equipment must be securely attached to the floor/wall in accordance with the installation instructions.
  - Keep straight down when moving or using the equipment.