

## DS-K3G501B(L)X Series Tripod Turnstile

### Quick Start Guide

UD38527B

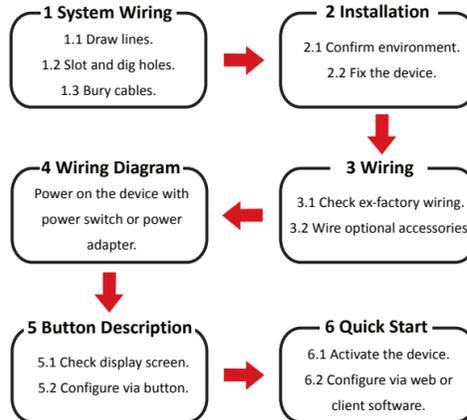
User Manual



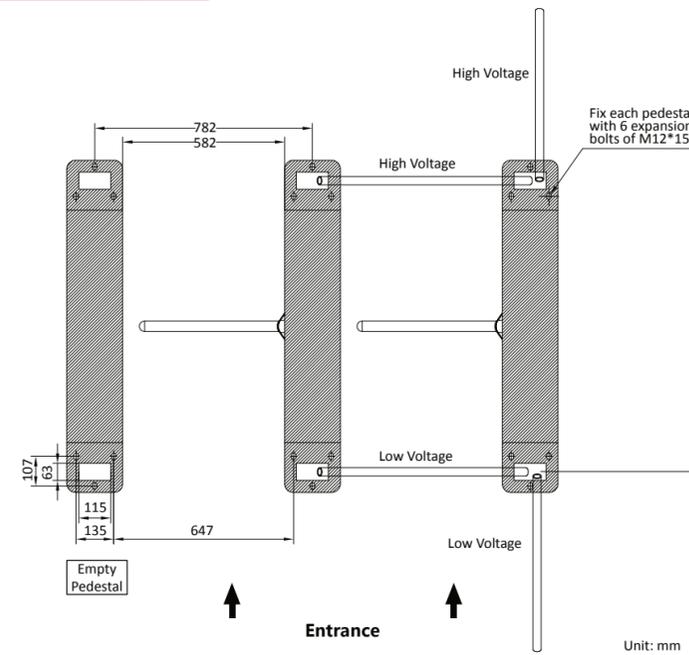
Wiring & Installation Video



### Quick Start Flow Chart



### 1 System Wiring



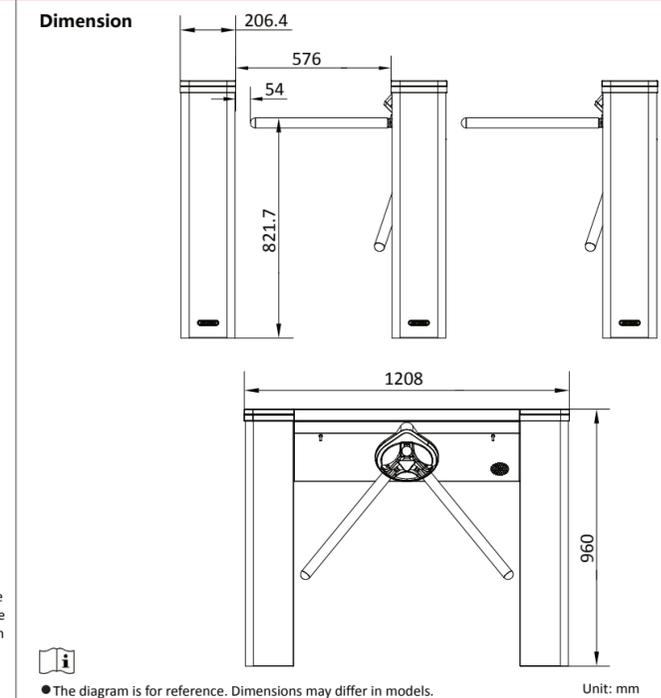
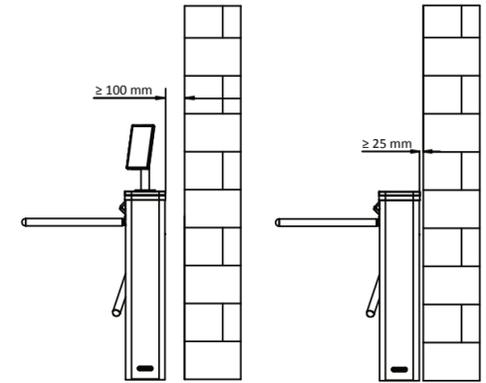
- Steps:**
1. Draw a central line on the installation surface of the left or right pedestal.
  2. Draw other parallel lines for installing the other pedestals.
  3. Slot on the installation surface and dig installation holes according to the hole position. Put 6 expansion bolts of M12\*150 for each pedestal.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

- Legend:**
- 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.

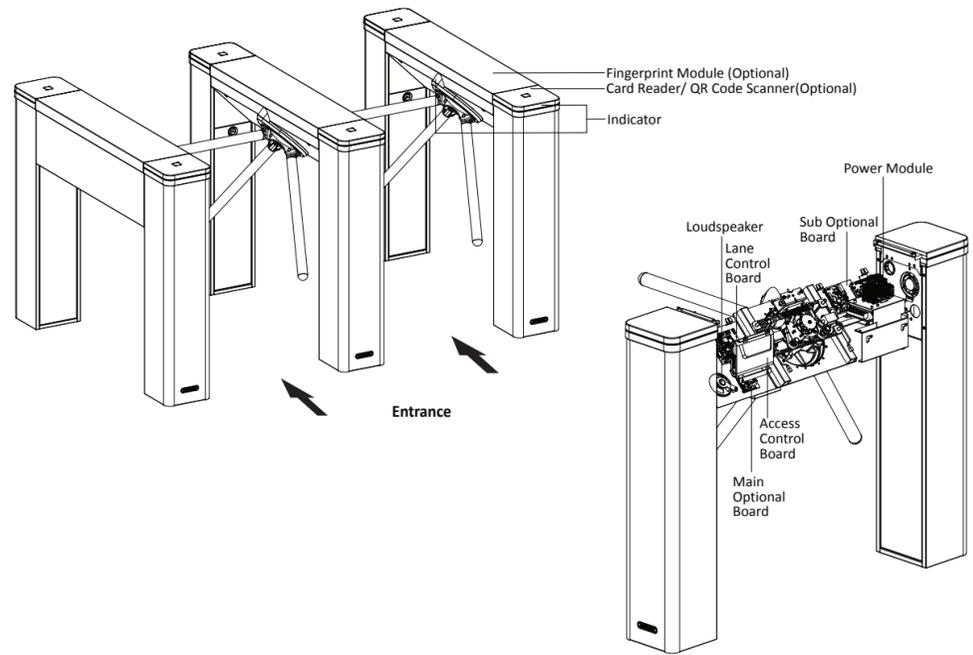
### 2 Installation

- 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.

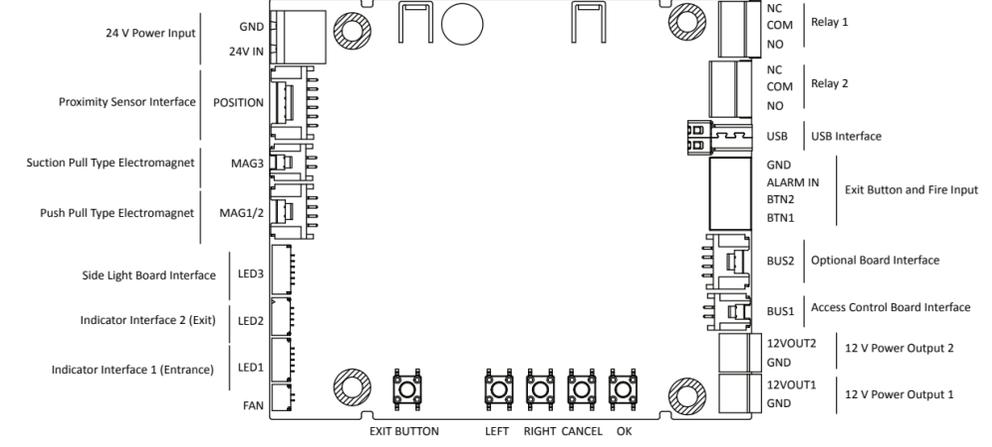
- Notes:**
- Make sure the device is installed on flat surface.
  - Make sure the device is powered off during installation and other operations.
  - The installation tools are put inside the package of the pedestal.
  - To prevent stainless steel from rusting due to dirt during construction, it is recommended 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.



### 3 Wiring



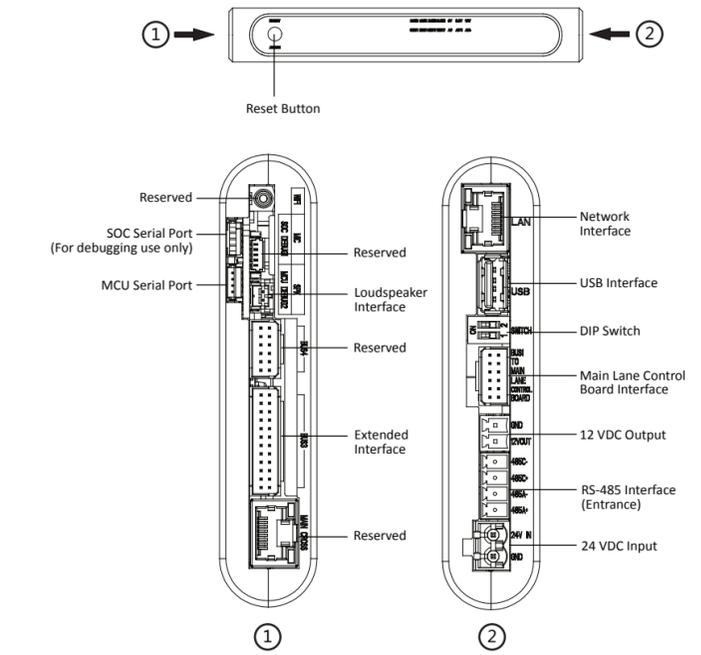
#### Lane Control Board (Front)



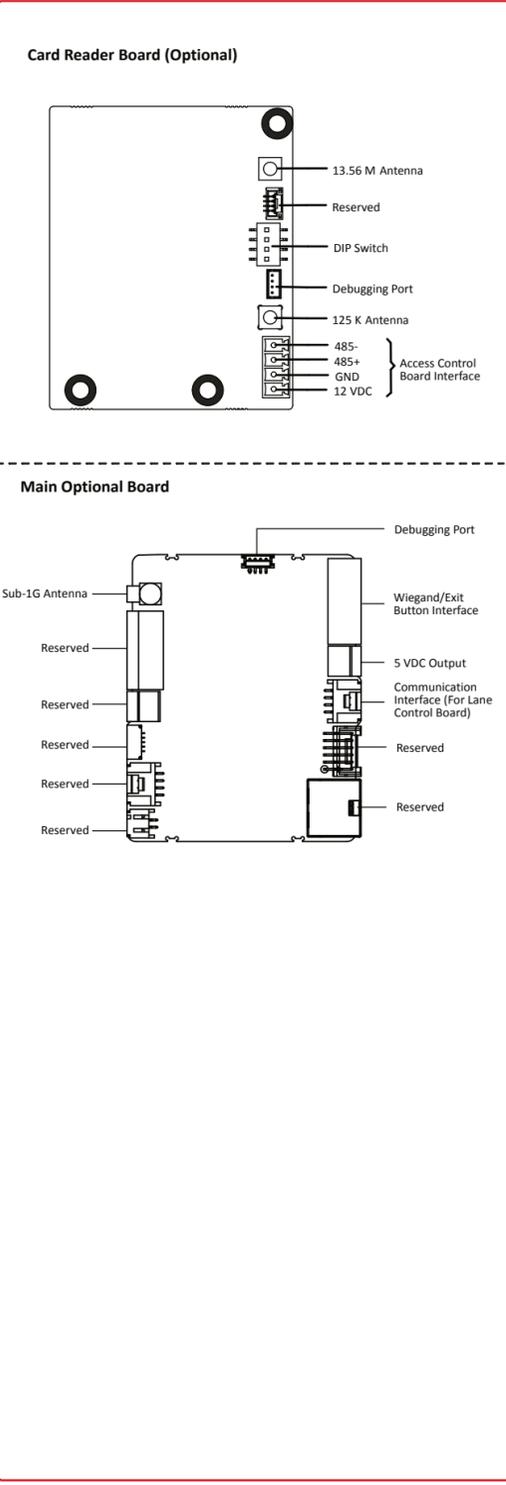
#### Lane Control Board (Rear)



#### Access Control Board



- Notes:**
- 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.

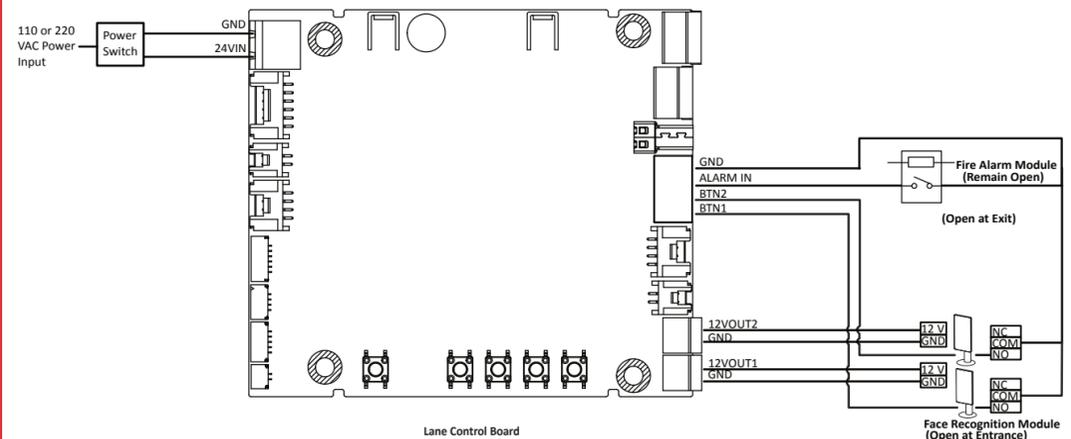


## 4 Wiring Diagram

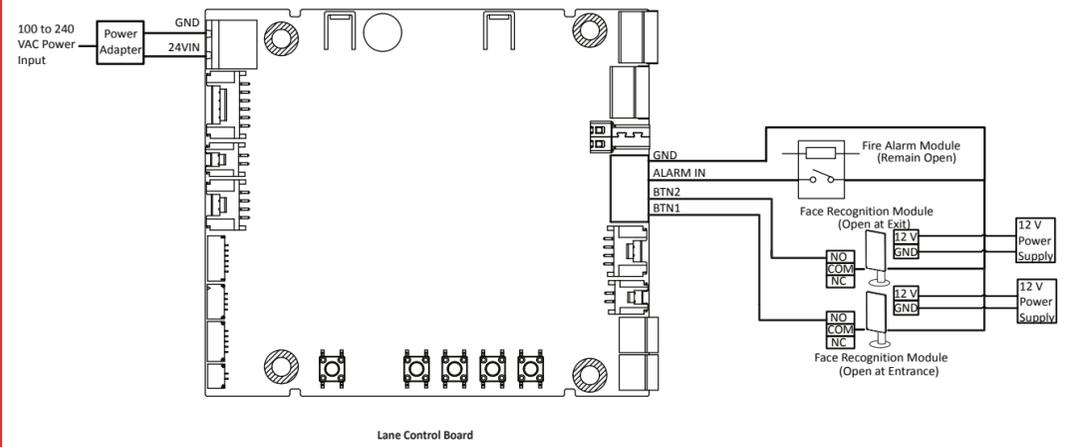


- The power cable from power supply to the lane control board has been connected. You will need to prepare the 14 AWG power cable to connect the AC power input to power supply.
- Barrier opens at the entrance/exit: connect to BTN1/BTN2 and GND.
- The power switch can select the input voltage of 220 V 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.

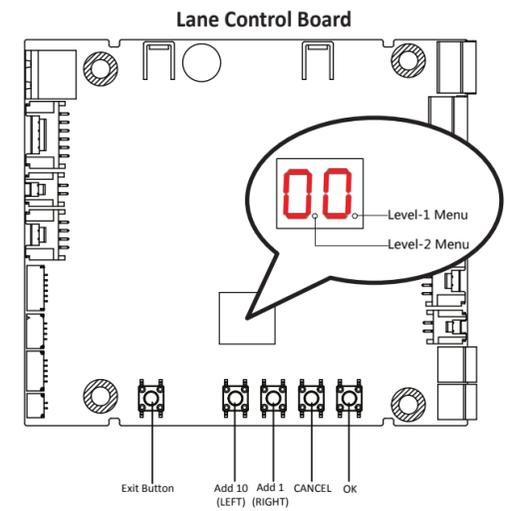
### Turnstile with Power Switch



### Turnstile with Power Adapter



## 5 Button Description



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

### Exit Button

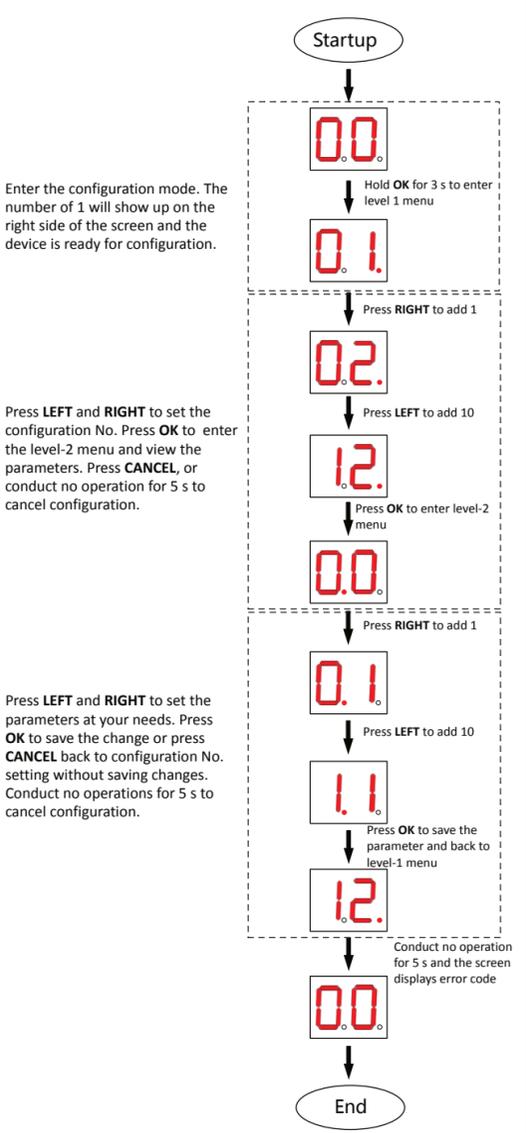
Single press to open from the entrance.  
Double press to open from the exit.

### 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

### Button Configuration Process



Enter the configuration mode. The number of 1 will show up on the right side of the screen and the device is ready for configuration.

Press LEFT and RIGHT to set the configuration No. Press OK to enter the level-2 menu and view the parameters. Press CANCEL, or conduct no operation for 5 s to cancel configuration.

Press LEFT and RIGHT to set the parameters at your needs. Press OK to save the change or press CANCEL back to configuration No. setting without saving changes. Conduct no operations for 5 s to cancel configuration.



Refer to the user manual for button description details.

## 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.



- We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. Characters containing admin and nmda are not supported.

### 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.

### About this Document

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	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.