



DS-K3B211LX Series Swing Barrier

User Manual

Legal Information

About this Document

- This Document 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 Document is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of the Document at the Hikvision website (<https://www.hikvision.com>). Unless otherwise agreed, Hangzhou Hikvision Digital Technology Co., Ltd. or its affiliates (hereinafter referred to as "Hikvision") makes no warranties, express or implied.
- Please use the Document with the guidance and assistance of professionals trained in supporting the Product.

About this Product

- This product can only enjoy the after-sales service support in the country or region where the purchase is made.
- If the product you choose is a video product, please scan the following QR code to obtain the "Initiatives on the Use of Video Products", and read it carefully.



Acknowledgment of Intellectual Property Rights

- Hikvision owns the copyrights and/or patents related to the technology embodied in the Products described in this Document, which may include licenses obtained from third parties.
- Any part of the Document, including text, pictures, graphics, etc., belongs to Hikvision. No part of this Document may be excerpted, copied, translated, or modified in whole or in part by any means without written permission.
- **HIKVISION** and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.
- Other trademarks and logos mentioned are the properties of their respective owners.

LEGAL DISCLAIMER

- TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS DOCUMENT AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR

IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.

- YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.
- YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.
- IN THE EVENT OF ANY CONFLICTS BETWEEN THIS DOCUMENT AND THE APPLICABLE LAW, THE LATTER PREVAILS.

Data Protection

- To protect data, the development of Hikvision Products incorporates privacy by design principles. For example, for Products with facial recognition features, biometrics data is stored in your Products with encryption method; for fingerprint Products, only fingerprint template will be saved, which is impossible to reconstruct a fingerprint image.
- As a data controller/processor, you may process personal data, including collection, storage, use, processing, disclosure, deletion, etc. You are advised to pay attention to and comply with applicable laws and regulations related to the protection of personal data, including without limitation, conducting security controls to safeguard personal data, such as, implementing reasonable administrative and physical security controls, conduct periodic reviews and the assessments of the effectiveness of your security controls.

© Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into Dangers and Cautions:

Dangers: Neglecting any of the warnings may cause serious injury or death.

Cautions: Neglecting any of the cautions may cause injury or equipment damage.

| | |
|---|---|
|  |  |
| Dangers: Follow these safeguards to prevent serious injury or death. | Cautions: Follow these precautions to prevent potential injury or material damage. |

Danger:

- All the electronic operation should be strictly compliance with the electrical safety regulations, fire prevention regulations and other related regulations in your local region.
- Please use the power adapter, which is provided by normal company. The power consumption cannot be less than the required value.
- Do not connect several devices to one power adapter as adapter overload may cause over-heat or fire hazard.
- Please make sure that the power has been disconnected before you wire, install or dismantle the device.
If the top caps should be open and the device should be powered on for maintenance, make sure:
 1. Power off the fan to prevent the operator from getting injured accidentally.
 2. Do not touch bare high-voltage components.
 3. Make sure the switch's wiring sequence is correct after maintenance.
- Please make sure that the power has been disconnected before you wire, install or dismantle the device.
- When the product is installed on wall or ceiling, the device shall be firmly fixed.
- 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.
- Do not ingest battery, Chemical Burn Hazard.
This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the device yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

Cautions:

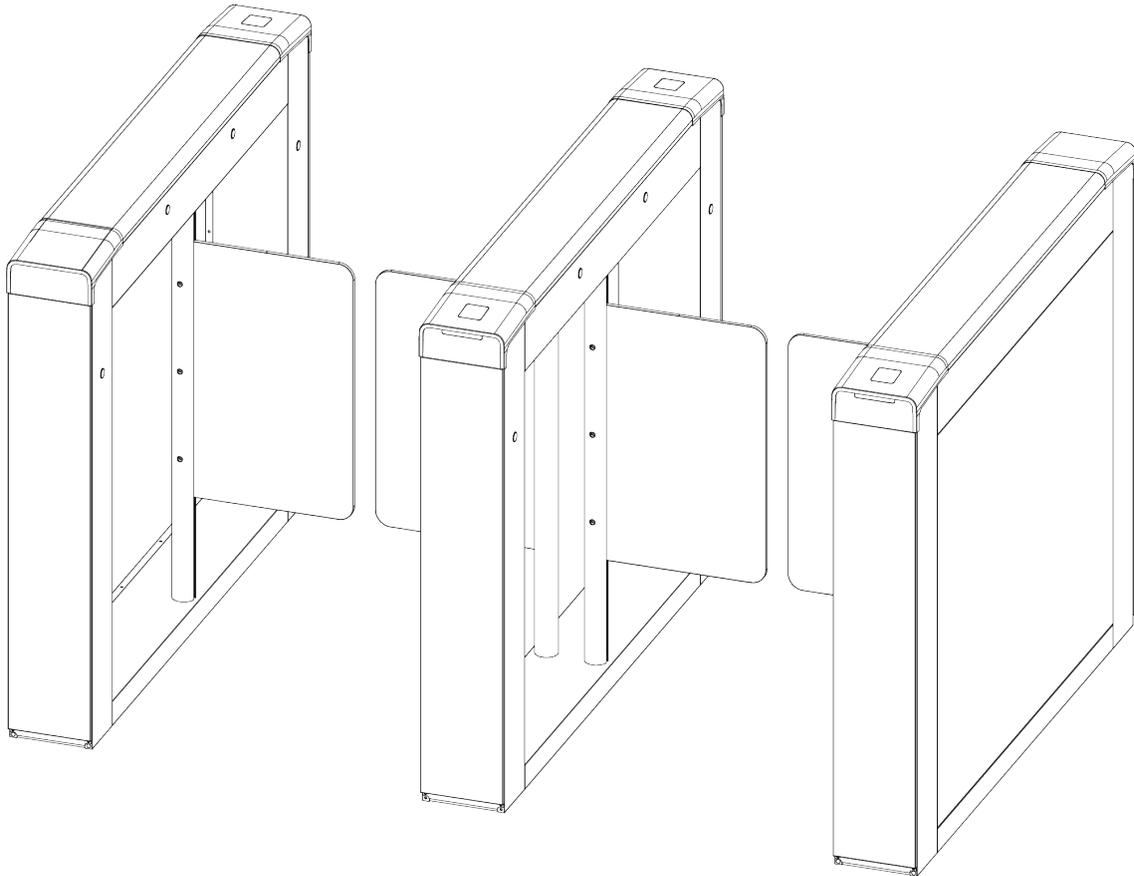
- Stainless steel may be corroded in some circumstances. You need to clean and care the device by using the stainless steel cleaner. It is suggested to clean the device every month.
- Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid 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.
- 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).
- Do not aim the device at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.
- Please use the provided glove when open up the device cover, avoid direct contact with the device cover, because the acidic sweat of the fingers may erode the surface coating of the device cover.
- Please use a soft and dry cloth when clean inside and outside surfaces of the device cover, do not use alkaline detergents.
- Please keep all wrappers after unpack them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper. Transportation without the original wrapper may result in damage on the device and lead to additional costs.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.
- Biometric recognition products are not completely applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication modes.
- Do not stay in the lane when the device is rebooting.
- RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
- SUITABLE FOR MOUNTING ON CONCRETE OR OTHER NON-COMBUSTIBLE SURFACE ONLY.
- The instructions shall require connection of the equipment protective earthing conductor to the installation protective earthing conductor.

Contents

| | |
|--|-----------|
| Chapter 1 Overview | 1 |
| 1.1 Introduction | 1 |
| 1.2 Main Features | 1 |
| Chapter 2 System Wiring | 3 |
| Chapter 3 Installation | 6 |
| Chapter 4 General Wiring | 10 |
| 4.1 Components Introduction | 10 |
| 4.2 Terminal Description | 12 |
| 4.2.1 Main Lane Control Board Terminal Description | 13 |
| 4.2.2 Sub Lane Control Board Terminal Description | 14 |
| 4.2.3 Alarm Input Wiring | 14 |
| 4.2.4 Exit Button Wiring | 15 |
| 4.3 Device Settings via Button | 16 |
| 4.3.1 Configuration via Button | 17 |
| 4.3.2 Set Study Mode via Button | 20 |
| Appendix A. Event and Alarm Type | 21 |
| Appendix B. Table of Audio Index Related Content | 22 |
| Appendix C. Error Code Description | 23 |
| Appendix D. Button Configuration Description | 24 |
| Appendix E. Communication Matrix and Device Command | 28 |

Chapter 1 Overview

1.1 Introduction



The Swing barrier with 4 IR lights is designed to detect unauthorized entrance or exit. By adopting the swing barrier integratedly with the access control system, person should authenticate to pass through the lane via swiping IC or ID card, scanning QR code, etc. It is widely used in attractions, stadiums, construction sites, residences, etc.

1.2 Main Features

- Control mode, free passing mode and prohibition mode selectable on both entering and exiting direction.
- The barrier will be locked or stop working when people are nipped
- Anti-forced-accessing
The barrier will be locked automatically without open-barrier signal.
- Self-detection, Self-diagnostics, and automatic alarm

- Visual alarm will be triggered when detecting intrusion, tailgating, reverse passing, and climbing over barrier
- LED indicates the entrance/exit and passing status
- Barrier is in free status when powered down; If the device is installed with lithium battery (optional), the barrier remains open when powered down
- Fire alarm passing
When the fire alarm is triggered, the barrier will be open automatically for emergency evacuation
- Valid passing duration settings
System will cancel the passing permission if a person does not pass through the lane within the valid passing duration
- Adjustable indicator brightness
- Bidirectional (Entering/Exiting) lane
The barrier opening and closing speed can be configured according to the visitor flow
- Permissions validation and anti-tailgating

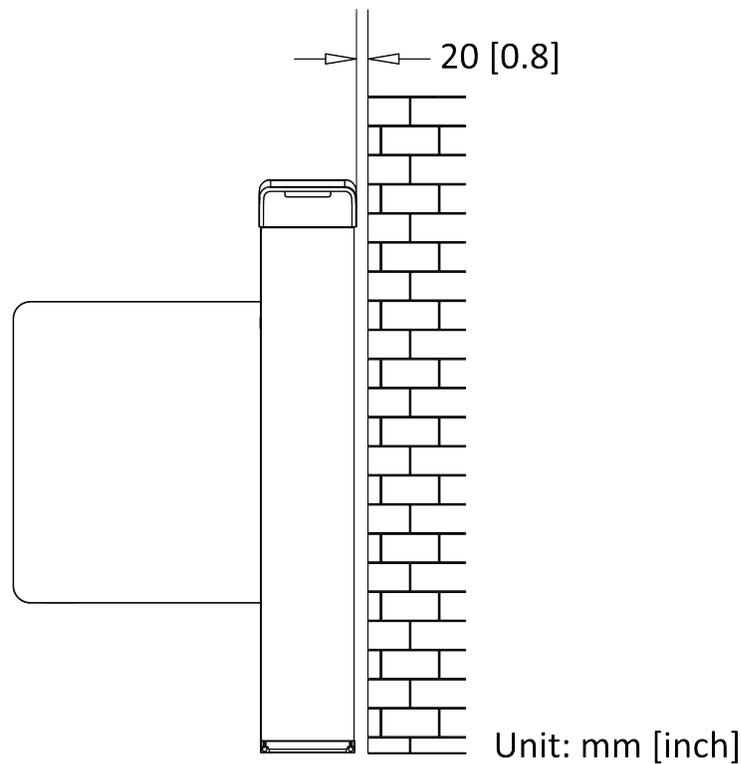
Chapter 2 System Wiring

The preparation before installation and general wiring.

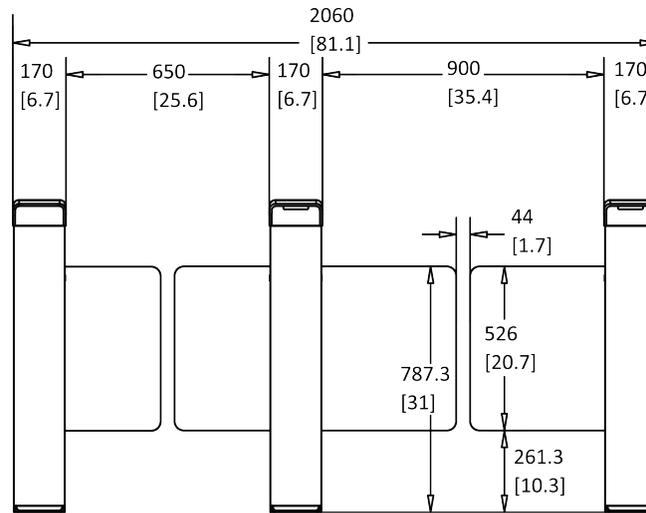
Steps

Note

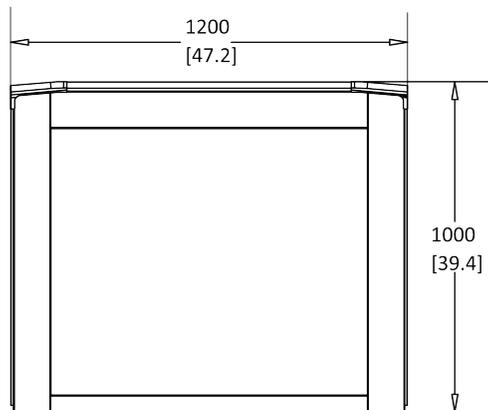
- The device should be installed on the concrete surface or other non-flammable surfaces.
- If the installation area is too close to the wall, make sure the distance between the pedestal and the wall should be no less than 20 mm, or you cannot open the pedestal's top panel.



- The dimension is as follows.



Front View



Side View

Unit: mm [inch]

Figure 2-1 Dimension

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.

 **Note**

The distance between the nearest two line is $L + 170$ mm. L represents the lane width.

3. Slot on the installation surface and dig installation holes. Put 4 expansion bolts of M12*150 for each pedestal.

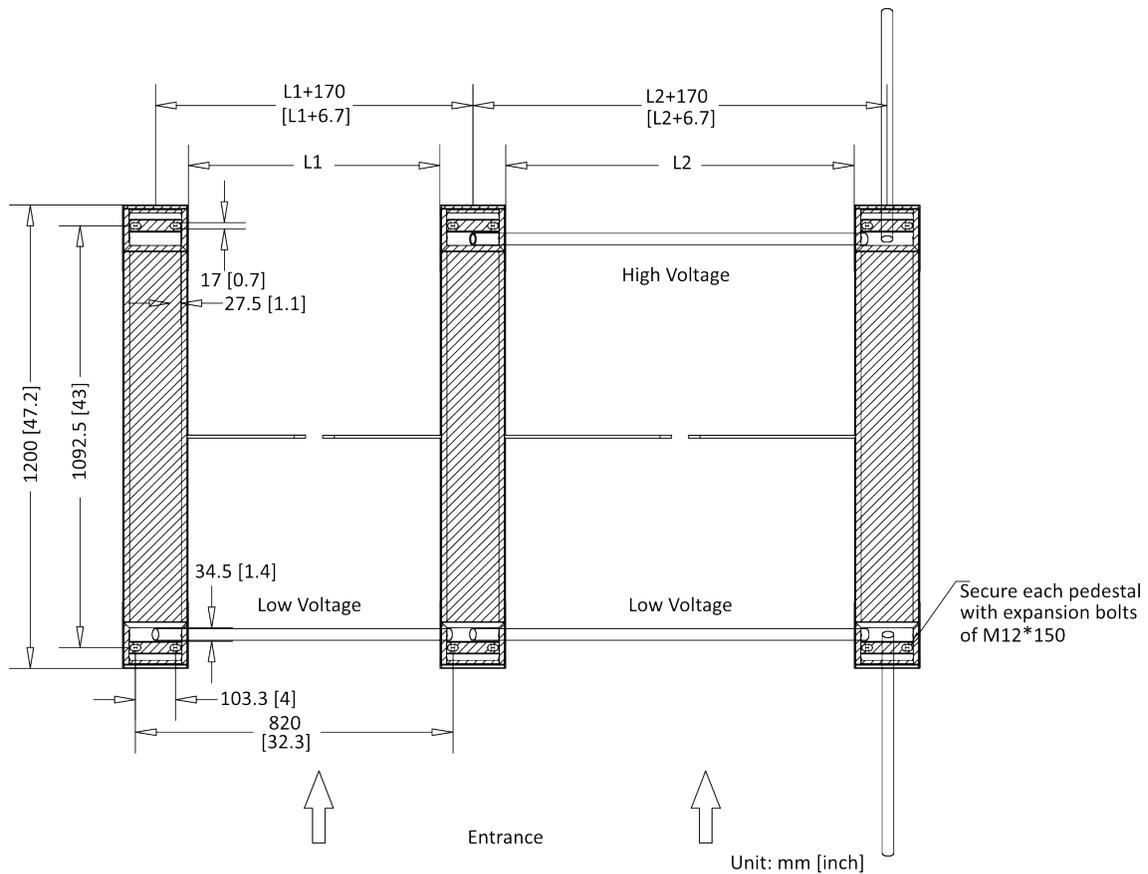


Figure 2-2 Hole Position and System Wiring

4. Bury cables. Each lane buries 1 high voltage cable and 1 low voltage cable. For details, see the system wiring diagram of step 3.

Note

- High voltage: AC power input
Low voltage: interconnecting cable (communication cable and 24 V power cable) and network communication cable
- The supplied interconnecting cable length is 4 m.
- The suggested inner diameter of the low voltage conduit is larger than 30 mm.
- If you want to bury both of the AC power cord and the low voltage 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.
- The external AC power cord should be double-insulated.
- The network cable must be CAT5e or the network cable has better performance. And the suggested network cable length should be less than 100 m.

Chapter 3 Installation

1. Before installation, you should unscrew and disassemble the pedestal.

Screw holes

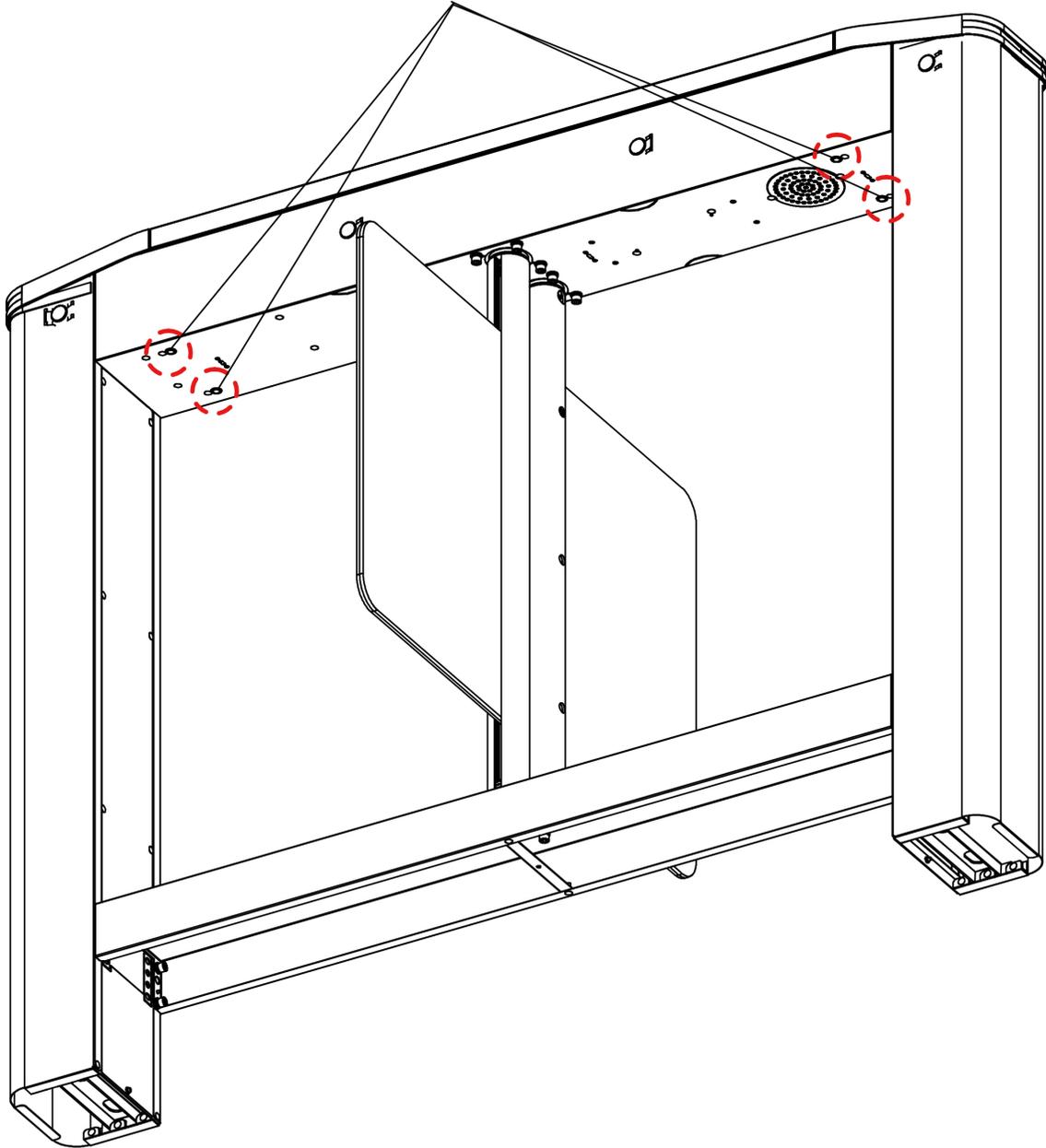


Figure 3-1 Screw Hole

2. Keep the disassembled components and make sure the accessories are intact.
3. Prepare for system wiring and installation. For details, see ***System Wiring***.

4. Place the pedestal above the embedded expansion bolt. Unscrew and remove the maintenance door.

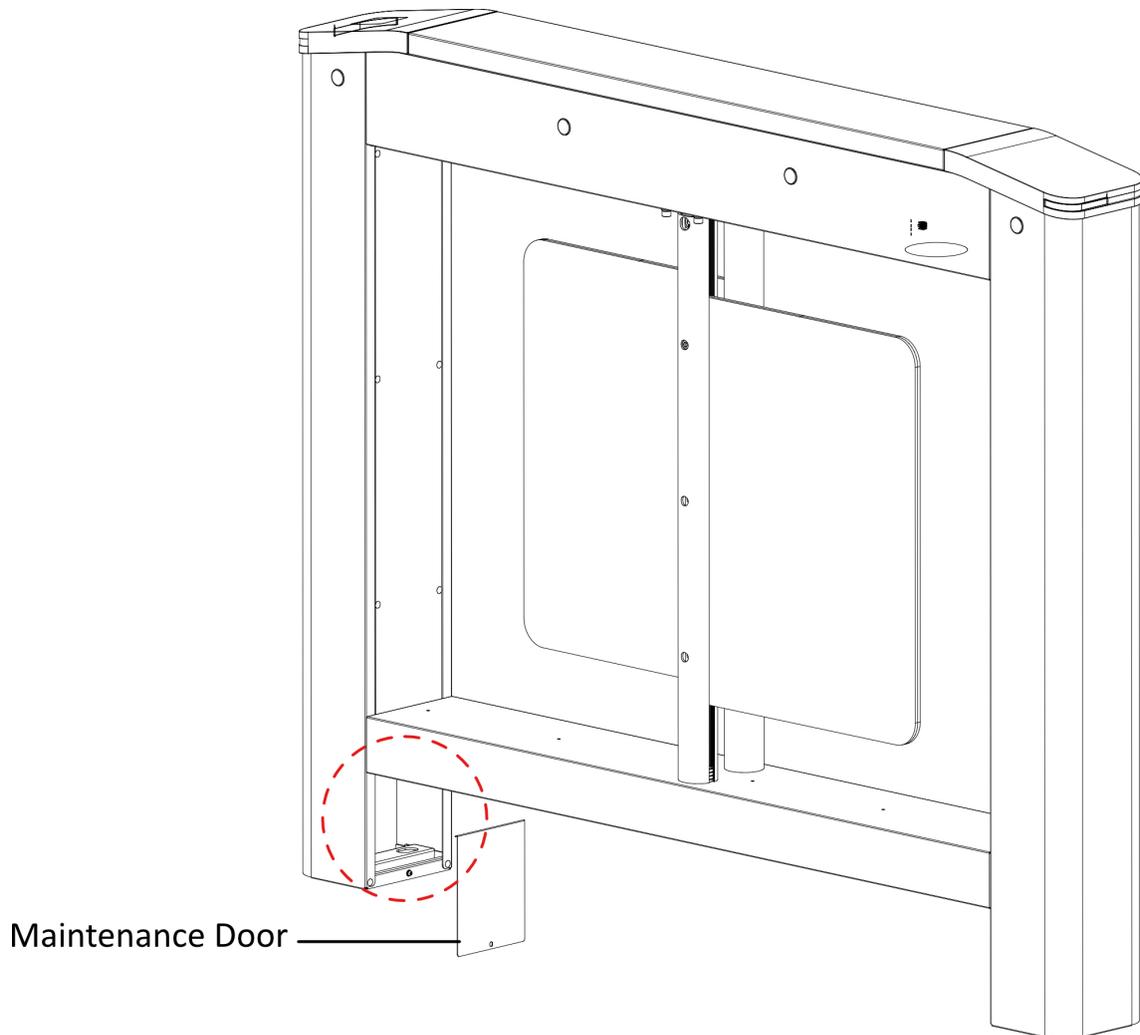


Figure 3-2 Maintenance Door

5. Place the platen on the expansion bolt and adjust the position of the pedestal to make sure the platen fits well to the bottom of the pedestal.

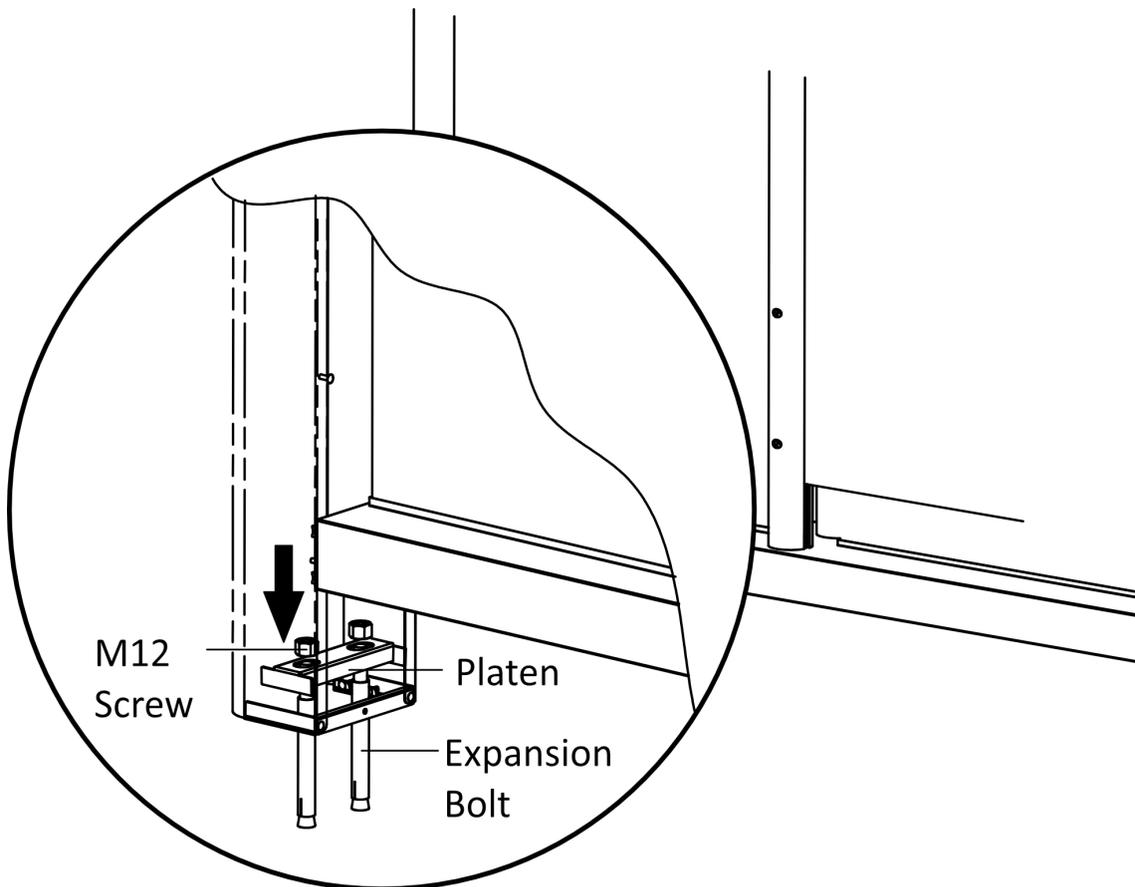


Figure 3-3 Platen

6. Fasten the nuts of the expansion bolts with a screwdriver (shaft diameter under 7 mm and shank length more than 120 mm) and reinstall the maintenance door.

Scan the QR Code to watch the installation guide video.



Chapter 4 General Wiring

Note

- When you should maintain or disassemble the high voltage modules, you should remove the entire high voltage modules and maintain it outside the turnstile. You should unplug the cables that connected to the peripherals before maintenance to avoid destroy of the device.
 - When disassembling the high voltage module, you should disconnect the power to avoid injury.
 - If only wiring is needed without maintenance, do not remove the high voltage modules.
 - The switch and the main lane control board are already connected. The 14 AWG cable to connect between the AC electric supply and the switch should be purchased separately.
 - 2 interconnecting cables are supplied: 24 V Power Cable and Communication Cable.
24 V Power Cable: 5 m long, which is in the middle and right pedestal.
Communication Cable: 4 m long, CAT5e, which is in the package of middle and right pedestal.
-

4.1 Components Introduction

By default, basic components of the turnstile are connected well. The pedestals can communicate by wiring the interconnecting cables. And the turnstile supports wiring the AC electric supply for the whole system's power supply.

Note

The voltage fluctuation of the electric supply is between 100 VAC and 240 VAC, 50 to 60 Hz.

The picture displayed below describes each component's position on the turnstile.

Note

The diagram is for reference only.

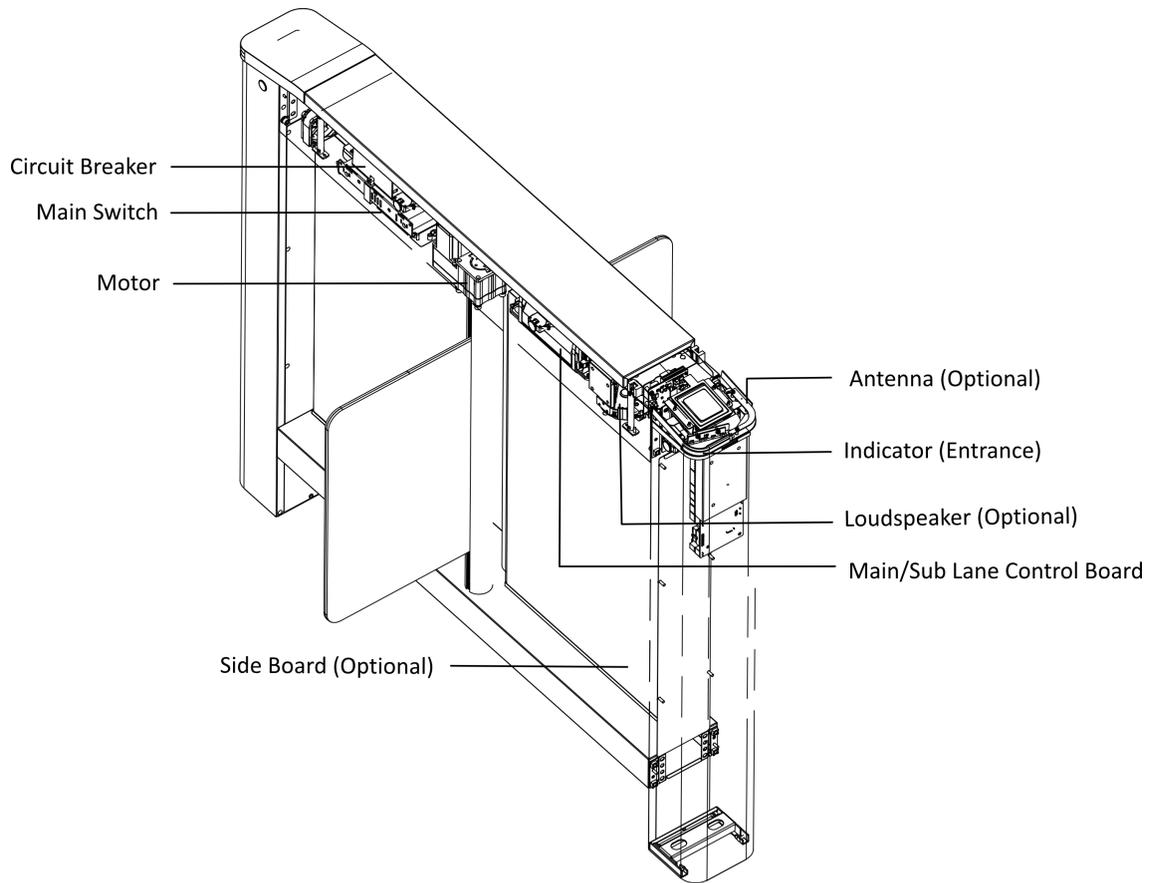


Figure 4-1 Components Diagram

The picture displayed below describes the IR sending/receiving module and their corresponding number on the pedestal.

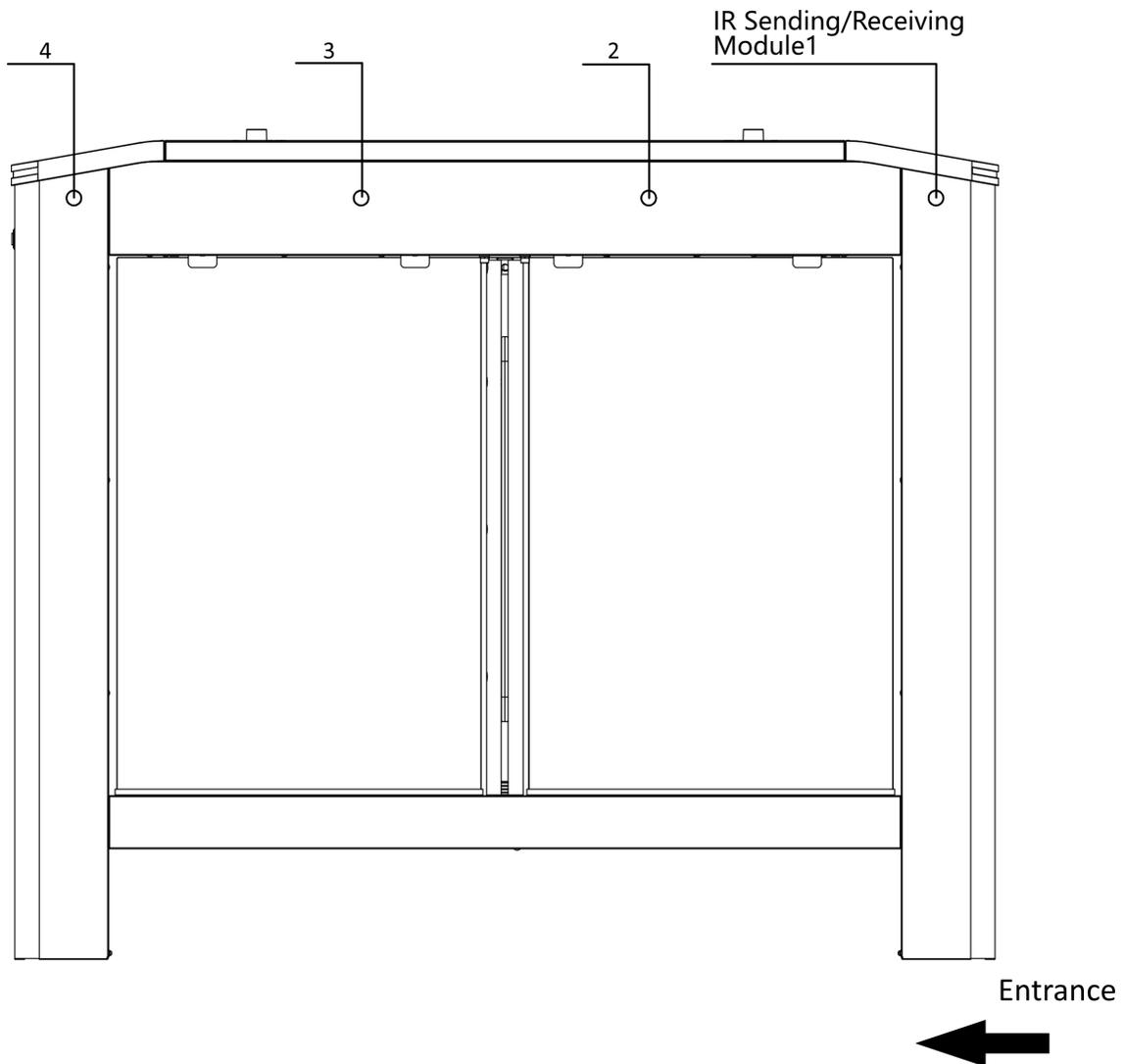


Figure 4-2 IR Sending/Receiving Module Position

Note

If the turnstile contains two lanes, standing at the entrance position, the IR modules on the left pedestal are the IR sending modules. The IR modules on the right pedestal are the IR receiving modules. The IR modules on the left side of the middle pedestal are the IR receiving modules, while the IR modules on the right side of the middle pedestal are the IR sending modules.

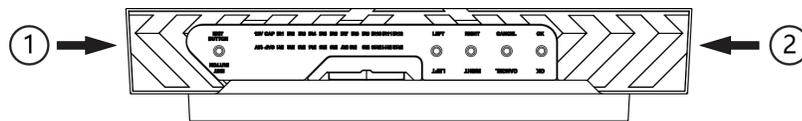
4.2 Terminal Description

The lane controller contains main lane controller and sub lane controller, which controls the IR beams, motor, and other components' work.

4.2.1 Main Lane Control Board Terminal Description

The main lane control board contains interconnecting interface, USB flash drive interface (reserved), access control board interface, fire input interface, exit button interface, 12 VDC output interface (reserved), 24 VDC input interface, fan interface, adaptor interface, encoder interface, power supply interface for motor, supercapacitor interface, IR adaptor interface and light bar interface.

The picture displayed below is the main lane control board diagram.



Main Lane Control Board

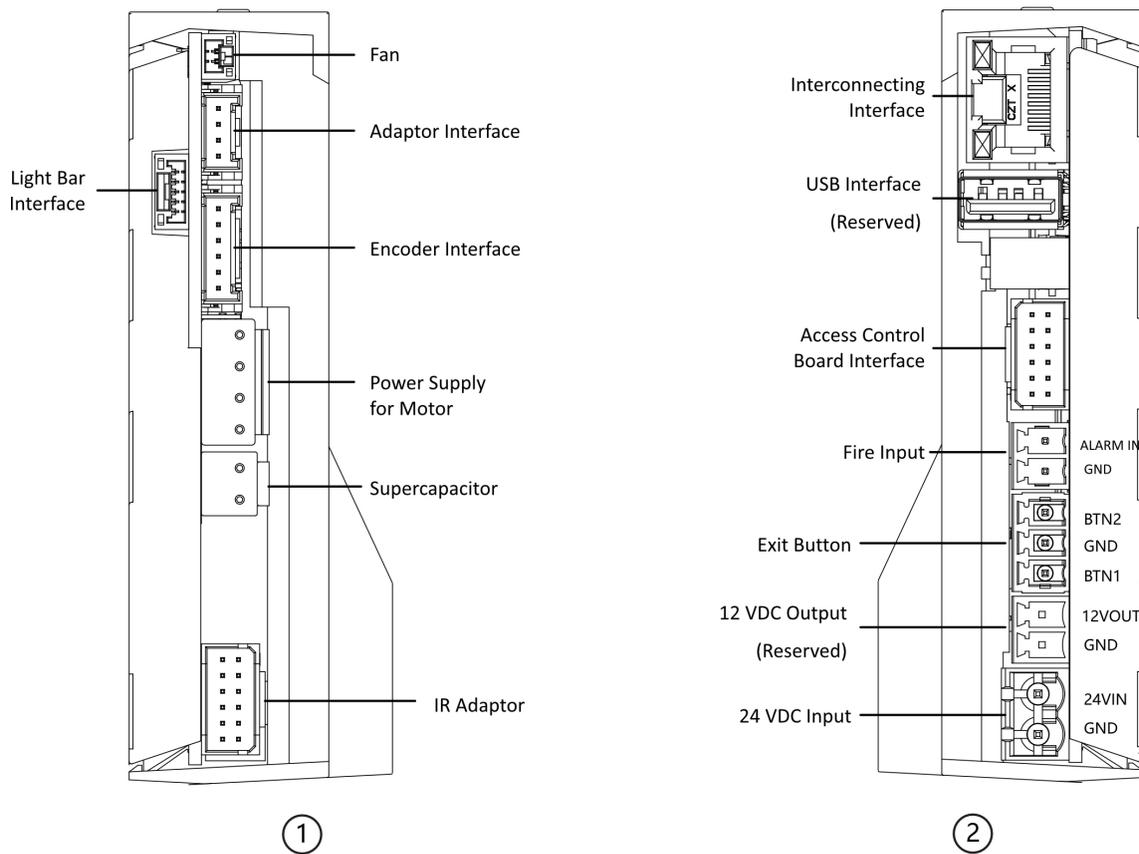


Figure 4-3 Main Lane Control Board Terminals

4.2.2 Sub Lane Control Board Terminal Description

The sub lane control board contains interconnecting interface, USB flash drive interface (reserved), access control board interface, exit button interface, 12 VDC power output interface (reserved), 24 VDC power input interface, fan interface, adaptor interface, encoder interface, power supply interface for motor, supercapacitor interface, IR adaptor interface and light bar interface.

The picture displayed below is the sub lane control board diagram.

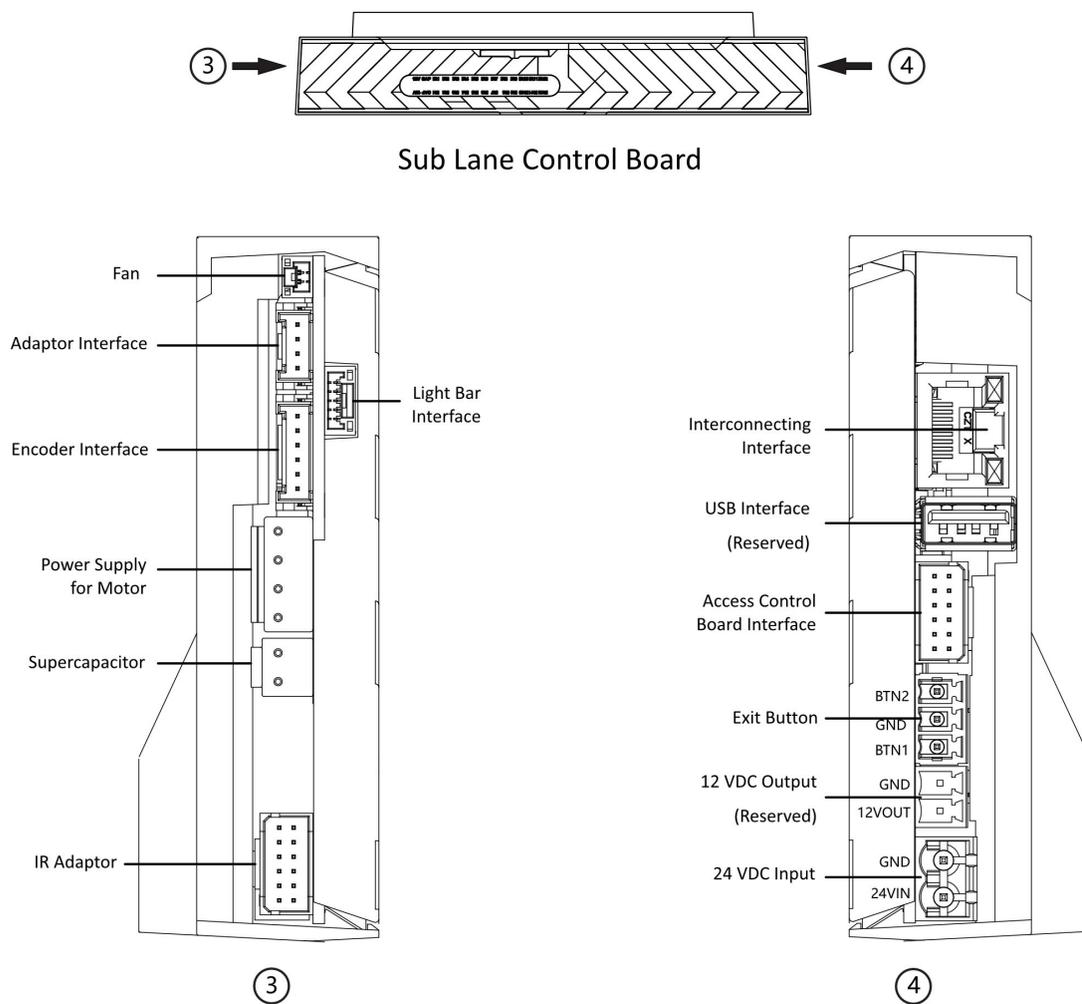


Figure 4-4 Sub Lane Control Board Terminals

4.2.3 Alarm Input Wiring

On the main lane control board, you can wire the fire alarm input interface.

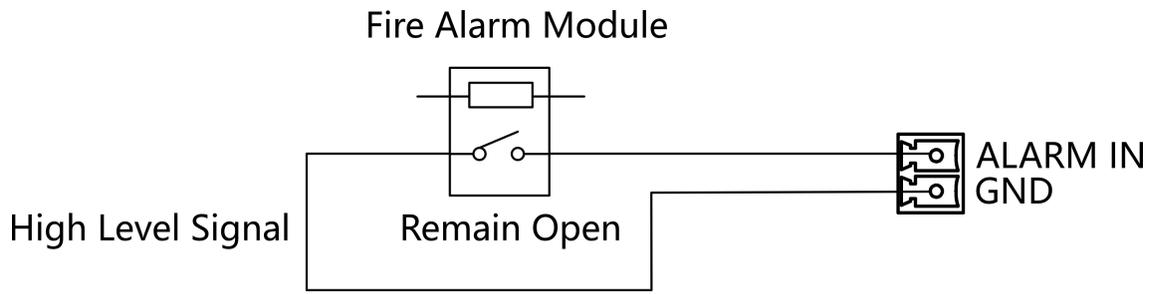


Figure 4-5 Remaining Open

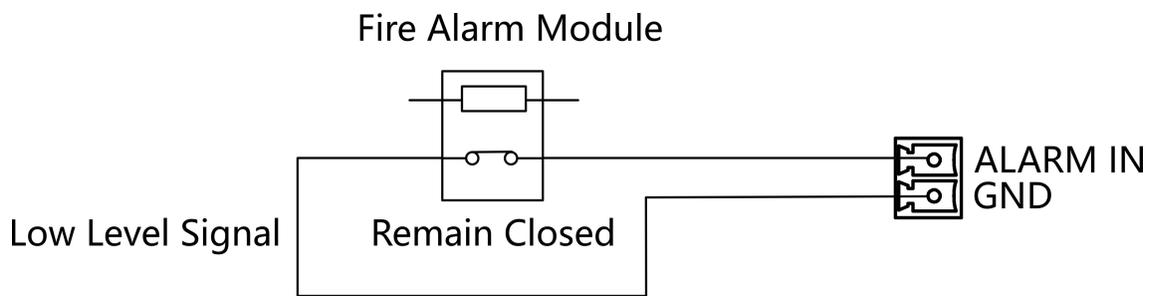


Figure 4-6 Remaining Closed

4.2.4 Exit Button Wiring

The main and sub lane control board each has 1 button interface, which can be connected to exit button or face recognition device.

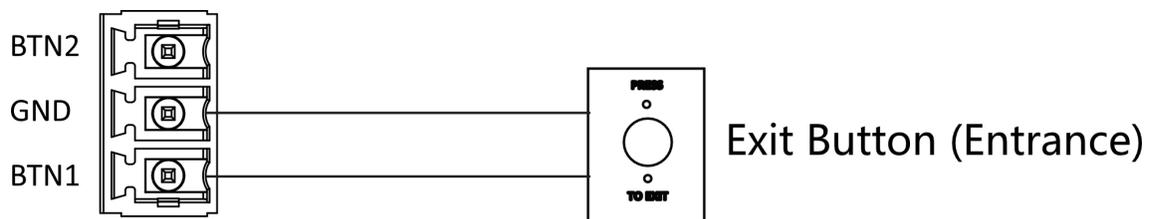


Figure 4-7 Exit Button Wiring (Entrance)

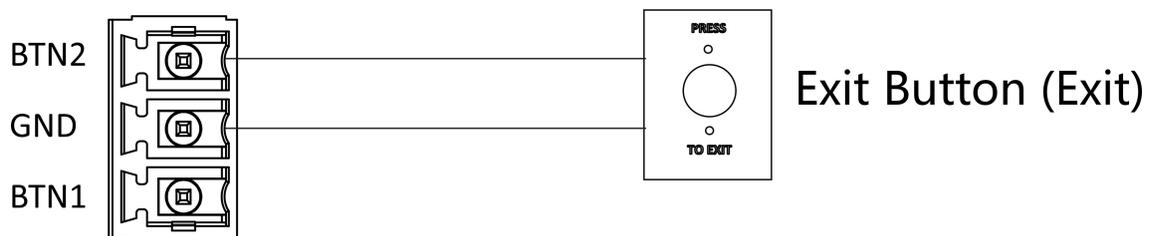


Figure 4-8 Exit Button Wiring (Exit)

 **Note**

- The face recognition devices are powered via 12 VDC power output interface of the main and sub lane control board.
 - Barrier open at the entrance: connect to BTN1 and GND.
 - Barrier open at the exit: connect to BTN2 and GND.
-

4.3 Device Settings via Button

You can configure the device via button on the main lane control board.

| Function | Main Lane Control Board Only |
|--------------------------------|--|
| Working Mode | |
| Normal/Study Mode | Configure via button (refer to <u>Set Study Mode via Button</u>) |
| keyfob Pairing | Not support |
| Passing Mode | Configure via button |
| Memory Mode | Configure via button |
| Parameter Settings | |
| Barrier Opening Speed | Configure via button |
| Barrier Closing Speed | Configure via button |
| Card Reading on the Alarm Area | Configure via button |
| Enter Duration | Configure via button |
| Exit Duration | Configure via button |
| IR Sensing Duration | Configure via button |
| Intrusion Duration | Configure via button |
| Overstay Duration | Configure via button |
| Delay Time for Barrier Closing | Configure via button |
| Authentication on Free Passing | Configure via button |
| Volume Adjustment | Configure via button |
| Barrier Material | Configure via button |
| Barrier Length | Configure via button |
| Light Brightness | Configure via button |

| Function | Main Lane Control Board Only |
|----------------------------|------------------------------|
| Restore to Default | Configure via button |
| Voice Prompt | |
| Climbing over Barrier | Not support |
| Reverse Passing | Not support |
| Exceeding Passing Duration | Not support |
| Intrusion Alarm | Not support |
| Tailgating Alarm | Not support |
| Overstaying Alarm | Not support |
| Motor Inspection | Configure via button |
| Self-check Voice Prompt | Not support |
| Study Mode Voice Prompt | Not support |

Refer to [Button Configuration Description](#) for detailed information.

4.3.1 Configuration via Button

Button Description

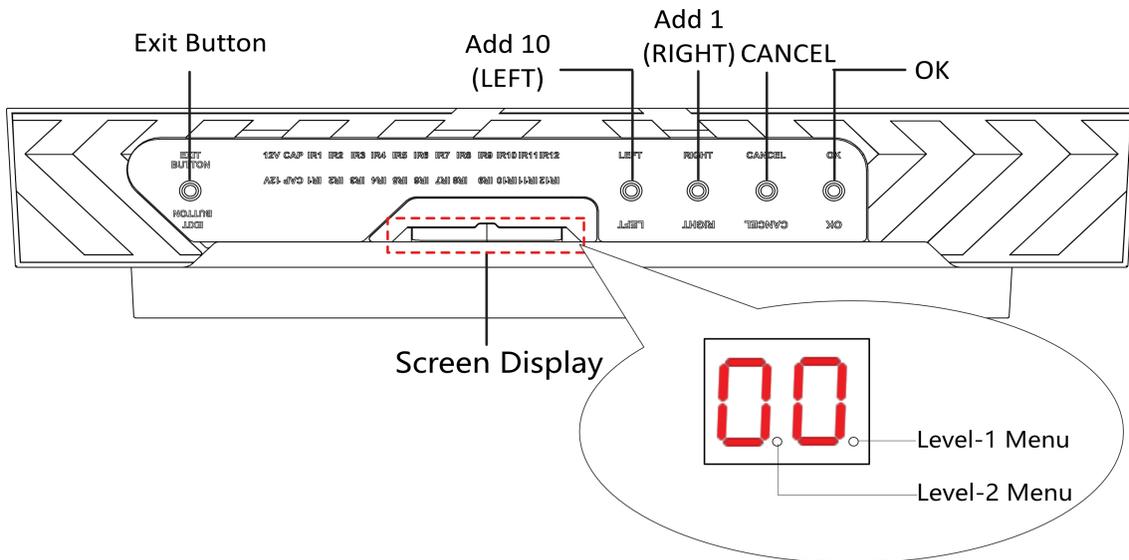


Figure 4-9 Button

Exit Button

- Press to open the barrier from the entrance position.
- Double press to open the barrier from the exit position.

Parameter Configuration Button

- LEFT: Press to add 10 to configuration data.
- RIGHT: Press to add 1 configuration data.
- CANCEL: Return to the Level-1 menu, or exit Level-1 menu.
- OK: Confirm the settings, or enter configuration mode, or enter the Level-2 menu.



Note

- Configuration No. is displayed by two digital tubes.
 - Level-1 Menu: If the decimal point on the right is on, it indicates the Level-1 menu. The number represents the configuration No.
 - Level-2 Menu: If the decimal point in the middle is on, it indicates the level-2 menu. The number represents the configuration No.
-

Button Configuration Procedure

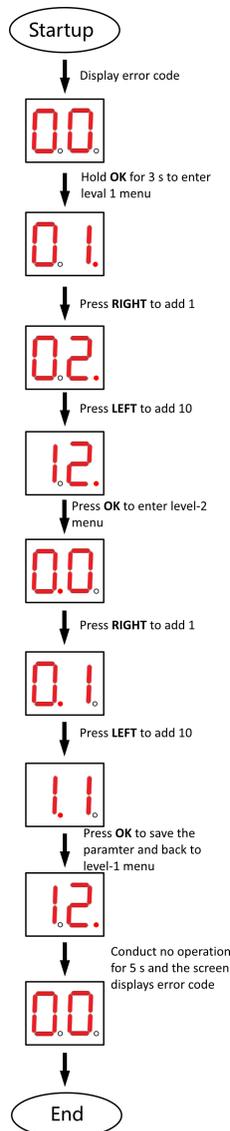


Figure 4-10 Procedure

Steps:

1. Hold **OK** button for 3 s until one beep occurs. The device enter the configuration mode. Level 1 menu lights up. The display screen displays the configuration No. **1**.
2. In the Level-1 menu, press **LEFT** (plus 10) and **RIGHT** (plus 1) to set the configuration No. Press **OK** to save settings and the enter the level-2 menu. Press **CANCEL** to exit the current menu, or conduct no operation for 5 s to cancel configuration and exit the current menu.
3. After enter the level 2 menu, press **LEFT** (plus 10) and **RIGHT** (plus 1) to set the parameters at your needs. Press **OK** to save the settings or press **CANCEL** to exit the current menu, or conduct no operation for 5 s to cancel configuration and exit the current menu.

Note

- The configuration No. will display in a cycle.
 - Each configuration No. refers to a function. For details about the configuration No. and its related function, see **Button Configuration Description** .
-

Example

If you want to pair keyfobs via the button. Hold **OK** for 3 s until you hear one beep. The device enters the configuration mode and the level 1 decimal point lights up. The display screen will display the No. **1**.

In the Level-1 menu, press **Right** (plus 1) to adjust the configuration No. to **2**. Press **OK** to save the settings and enter the Level-2 menu.

Press **Right** (plus 1) to adjust the configuration No. to **2**. Press **OK** to save the settings.

4.3.2 Set Study Mode via Button

Enter the study mode through button configuration to set the closed position of the device barrier.

Steps

Note

- For details about button's operation, see **Configuration via Button** .
 - For details about the configuration No. and its related function, see **Button Configuration Description** .
-

1. Enter the study mode.
 - 1) Enter the configuration mode.
 - 2) Set the configuration No. in Level-1 to **1**. The device will enter the study mode.
 - 3) Set the configuration No. in the Level-2 menu to **2**. The device will enter the study mode.
2. Power off the device and swing the barrier until it is vertical to the pedestal.
3. Power on the device.

The device will remember the current position automatically.
4. Reboot the device when you hear **Study accomplished. Please reboot.**

Appendix A. Event and Alarm Type

| Event | Alarm Type |
|---------------------------------------|--------------------|
| Tailgating | Visual and Audible |
| Reverse Passing | Visual and Audible |
| Force Accessing | None |
| Climb over Barrier | Visual and Audible |
| Overstay | Visual and Audible |
| Passing Timeout | None |
| Intrusion | Visual and Audible |
| Free Passing Authentication Failed | Visual and Audible |
| Barrier Obstructed | None |

Appendix B. Table of Audio Index Related Content

| Index | Content |
|-------|----------------------------|
| 1 | Climbing over the barrier. |
| 2 | Reverse passing. |
| 3 | Passing timeout. |
| 4 | Intrusion. |
| 5 | Tailgating. |
| 6 | Overstay. |

Appendix C. Error Code Description

The swing barrier will display the error code on the seven-segment display if error occurred. Refer to the table below to find the description of each number.

| Error Reason | Code | Error Reason | Code |
|---|-------------|--------------------------|-------------|
| The First IR Beam Triggered | 01 | Not Studying | 54 |
| The Second IR Beam Triggered | 02 | Obstruction | 55 |
| The Third IR Beam Triggered | 03 | Exceeding Studying Range | 56 |
| The Fourth IR Beam Triggered | 04 | Encoder Exception | 57 |
| Loudspeaker Offline (If the kit is not installed, the error code of "49" will appear but the device functions normally) | 49 | Motor Exception | 58 |
| Interconnecting Exception | 53 | | |

Appendix D. Button Configuration Description

Refer to the table below for device configuration via button on the main lane control board.

| No. | Description | Default Value | Parameters | Notes |
|-----|-----------------------|---------------|---|-------|
| 1 | Normal/Study Mode | 1 | 1-Normal Mode 2-Study Mode | |
| 2 | keyfob Pairing | 1 | 1-Normal Mode 2-Pairing Mode | |
| 3 | Passing Mode | 1 | 1-Both sides under control 2-Entrance under control; exit prohibited 3-Entrance under control; exit on inductive mode 4-Both sides on inductive mode 5-Entrance on inductive mode; exit under control 6-Entrance on inductive mode; exit prohibited 7-Both sides prohibited 8-Entrance prohibited; exit under control 9-Entrance prohibited; exit on inductive mode | |
| 4 | Memory Mode | 2 | 1-Disable 2-Enable | |
| 5 | keyfob Remote Control | 2 | 1-one to one | |

DS-K3B211LX Series Swing Barrier User Manual

| No. | Description | Default Value | Parameters | Notes |
|-----|---|---------------|--|------------------|
| | | | 1-one to multiple | |
| 6 | Barrier Opening Speed | 5 | 1-1, 2-2, ...10-10 | |
| 7 | Barrier Closing Speed | 5 | 1-1, 2-2, ...10-10 | |
| 8 | Card Reading on the Alarm Area | 2 | 1-Do not open 2-Open | |
| 9 | Enter Duration | 5 | 5-5s, 6-6s, 7-7s, ..., 60-60s | |
| 10 | Exit Duration | 5 | 5-5s, 6-6s, 7-7s, ..., 60-60s | |
| 11 | IR Sensing Duration | 0 | 0-0s, 1-1s, 2-2s,..., 25-25s | |
| 12 | Intrusion Duration | 0 | 0-0s, 1-1s, 2-2s,..., 20-20s | |
| 13 | Overstay Duration | 0 | 0-0s, 1-1s, 2-2s,..., 20-20s | |
| 14 | Delay Time for Barrier Closing | 0 | 0-0s, 1-1s, 2-2s, 3-3s, 4-4s, 5-5s | |
| 15 | Control Mode | 1 | 1-Button Configuration 2-DIP Switch on Access Control Board | Unable to change |
| 16 | Authentication on Free Passing | 1 | 1-Disable 2-Enable | |
| 17 | IR Configuration for Closing in Advance | 1 | 1-1, 2-2, ..., N-N | Unable to change |
| 18 | Swing Barrier Quantity | 1 | 1-Dual Lanes 2-Single Lane | Unable to change |
| 19 | Motor Rotation | 1 | 1-Clockwise 2-Anticlockwise | Unable to change |

DS-K3B211LX Series Swing Barrier User Manual

| No. | Description | Default Value | Parameters | Notes |
|-----|-----------------------------------|---------------|-----------------------------------|---|
| 20 | Motor Type | 1 | 1-Dunker Motor 2-Control Motor | Unable to change |
| 21 | Volume | 2 | 1-0, 2-1, 3-2, 4-3, 5-4 | The device will be muted when set to "1". |
| 22 | Authenticated Passing | 1 | 1-Disable 2-Enable | Unable to change |
| 23 | Invalid Card No. | 1 | 1-Disable 2-Enable | Unable to change |
| 24 | Fingerprint Unmatched | 1 | 1-Disable 2-Enable | Unable to change |
| 25 | Climbing over Barrier | 1 | 1-Disable 2-Enable | |
| 26 | Reverse Passing | 1 | 1-Disable 2-Enable | |
| 27 | Exceeding Passing Duration | 1 | 1-Disable 2-Enable | |
| 28 | Intrusion Alarm | 1 | 1-Disable 2-Enable | |
| 29 | Forced Passing | 1 | 1-Disable 2-Enable | Unable to change |
| 30 | Tailgating Alarm | 1 | 1-Disable 2-Enable | |
| 31 | Unauthorized Passing | 1 | 1-Disable 2-Enable | Unable to change |
| 32 | Exceeding Authentication Duration | 1 | 1-Disable 2-Enable | Unable to change |
| 33 | Failed Authentication | 1 | 1-Disable 2-Enable | Unable to change |
| 34 | Expired Certificate | 1 | 1-Disable | Unable to change |

DS-K3B211LX Series Swing Barrier User Manual

| No. | Description | Default Value | Parameters | Notes |
|-----|-------------------------|---------------|--|--|
| | | | 2-Enable | |
| 35 | Overstaying Alarm | 1 | 1-Disable 2-Enable | |
| 36 | Barrier Material | 1 | Acrylic | |
| 37 | Barrier Length | 8 | 1-550 2-600 3-650 4-700 5-750 6-800 7-850 8-900 | |
| 38 | Motor Inspection | 1 | 1-Disable 2-Enable on Main Lane 3-Enable on Sub Lane | |
| 39 | Brightness of Light | 3 | 0-0, 1-1, 2-2, ... , 10-10 | The higher the value is, the brighter the light will be. |
| 40 | Self-check Voice Prompt | 2 | 1-Disable 2-Enable | Voice prompt of self-check at startup and motor inspection |
| 41 | Study Mode Voice Prompt | 2 | 1-Disable 2-Enable | Voice prompt of study mode |
| 99 | Restore to Default | 1 | 1- Default 2- Start | The device will reboot. |

Appendix E. Communication Matrix and Device Command

Communication Matrix

Scan the following QR code to get the device communication matrix.

Note that the matrix contains all communication ports of Hikvision access control and video intercom devices.



Figure E-1 QR Code of Communication Matrix

Device Command

Scan the following QR code to get the device common serial port commands.

Note that the command list contains all commonly used serial ports commands for all Hikvision access control and video intercom devices.



Figure E-2 Device Command



See Far, Go Further