

DS-K3B530X Series Swing Barrier with Module

Quick Start Guide

UD44161B

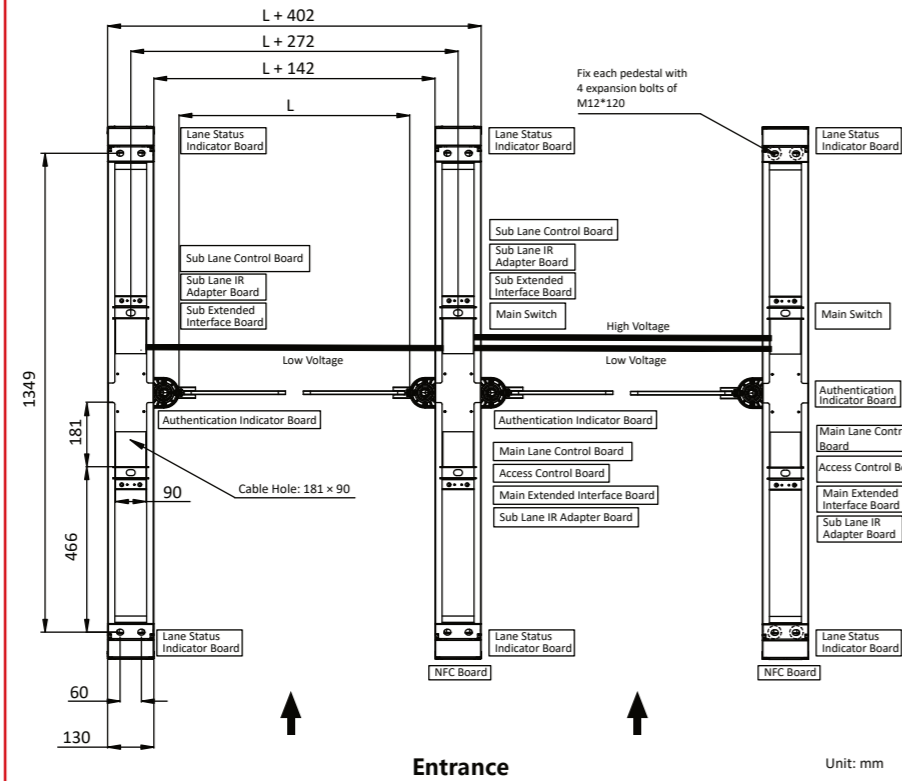
User Manual



Wiring & Installation Video



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.
 - The distance between the nearest two lines is L + 272 mm. L represents the lane width.
3. Slot on the installation surface and dig installation holes according to the hole position. Put 4 expansion bolts of M12*120 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: interconnecting cable (communication cable and 24 V power cable) and network communication cable.
- The supplied interconnecting power cable length is 5 m and communication cable length is 3 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.

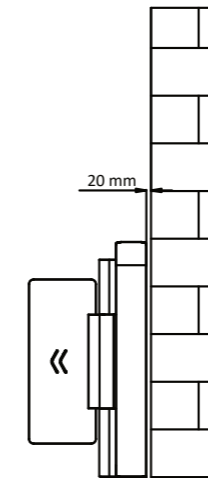
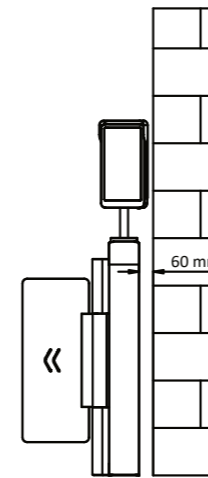
2 Installation

Steps:

1. Prepare installation tools, check the components, and clean the installation base.
2. Remove 4 screws of each pedestal which fix the 2 side panels.
3. Remove the side panels and place the pedestals to the corresponded positions according to the entrance and exit marks on the pedestals.
4. Secure each pedestal with 4 nuts and fix the side panels to its original position with screws.

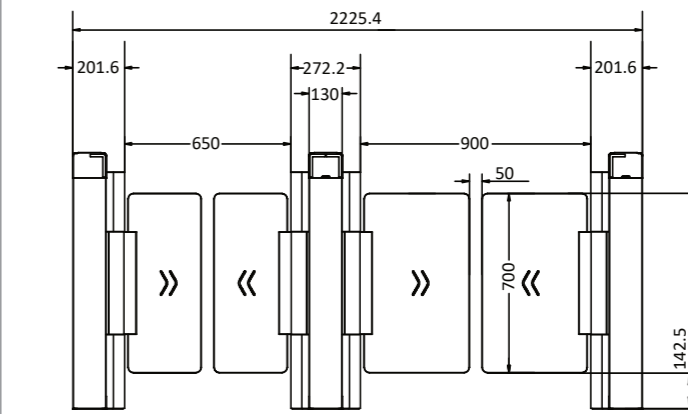


- Make sure the device is installed on flat surface.
- Make sure the device is powered off during installation and other operations.
- The installation tools are put inside the package of the pedestal.

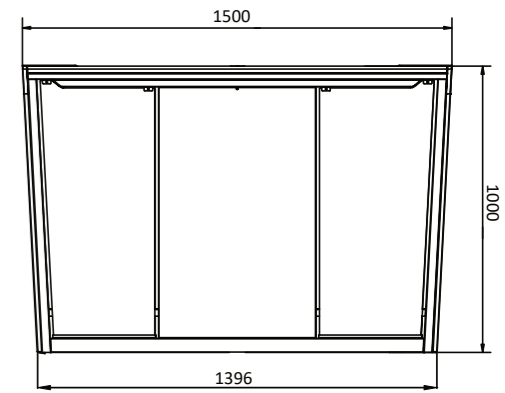


If the installation area is close to the wall, make sure the distance between the pedestal and the wall should be more than 20 mm (60 mm if with face recognition terminals), or you might cause damage to the device or cannot open the pedestal's top panel.

Dimension

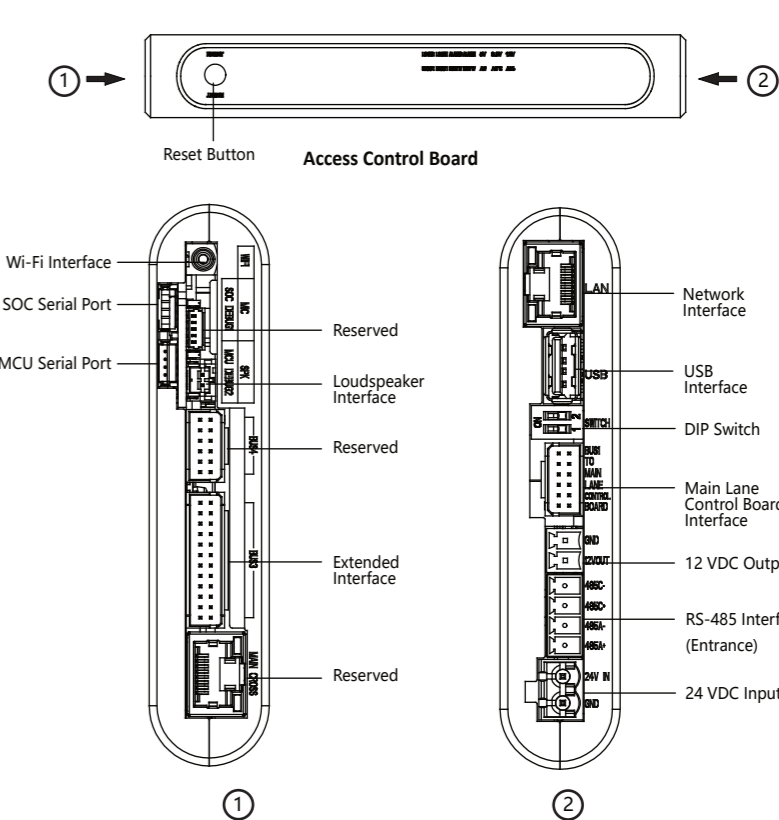
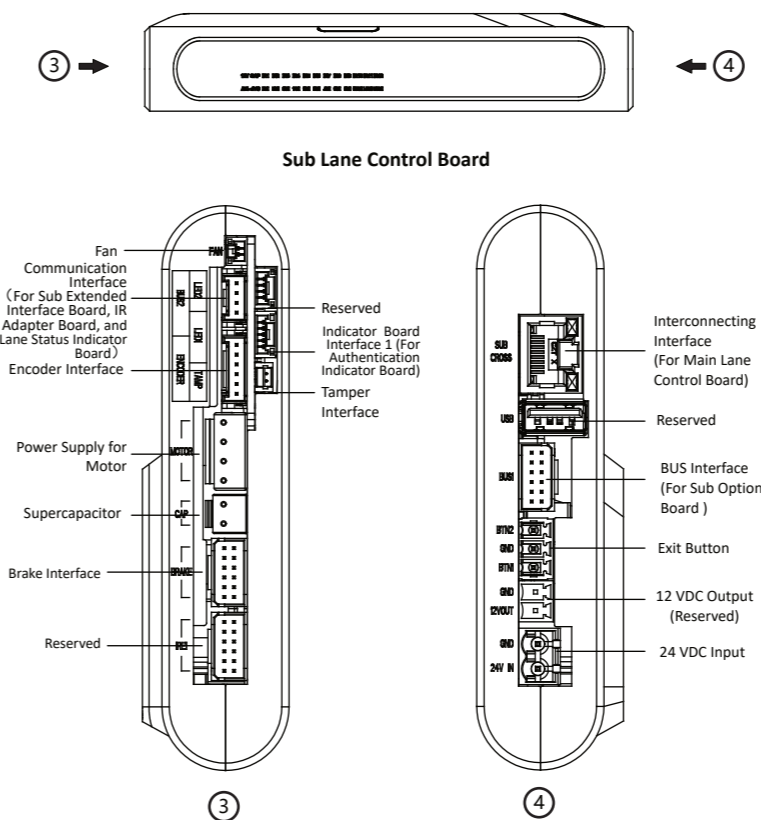
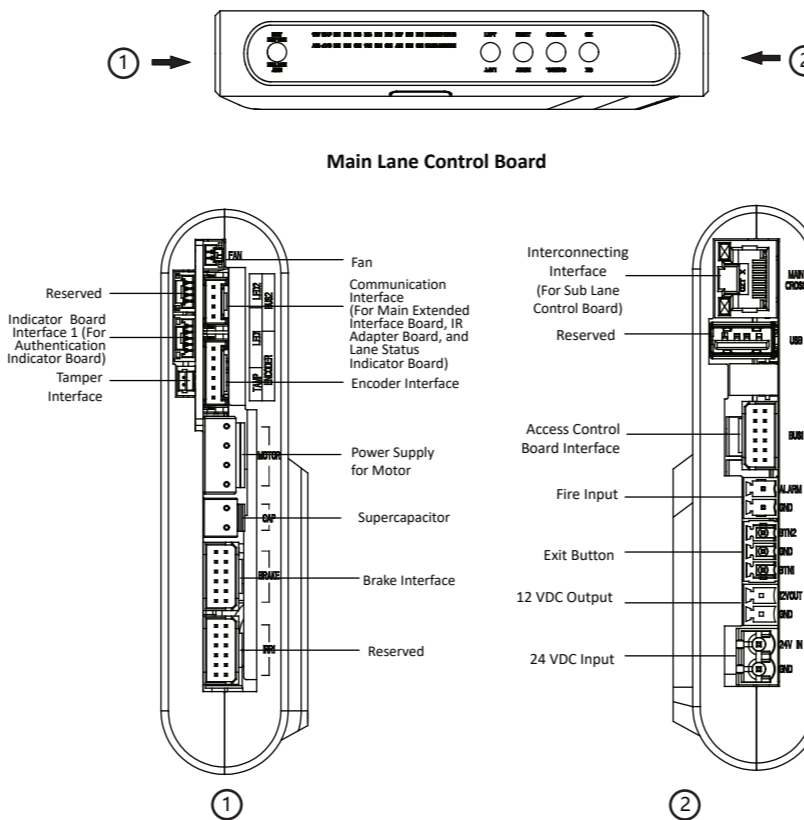
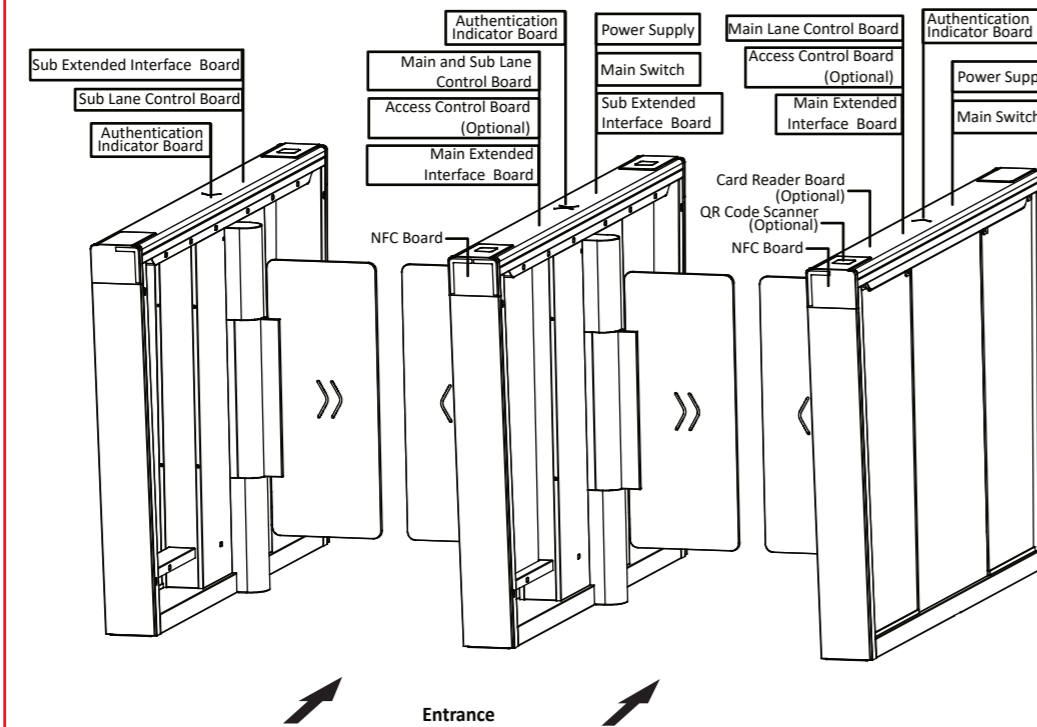


- The diagram is for reference. Dimensions may differ in models.
- Keep glass barriers clean, dry and unblocked, in order not to affect the IR detectors.

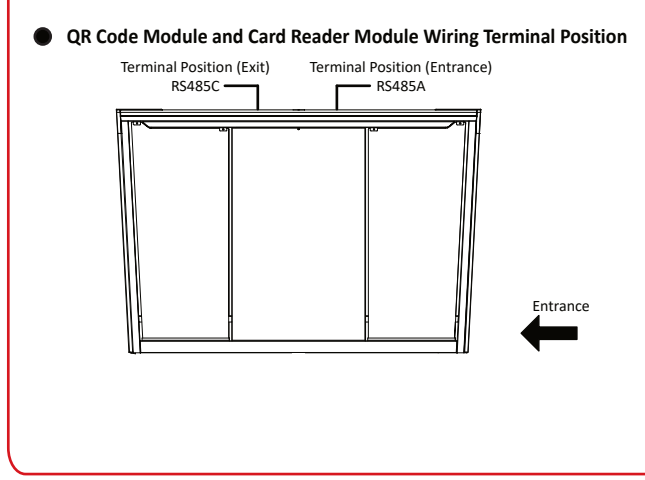
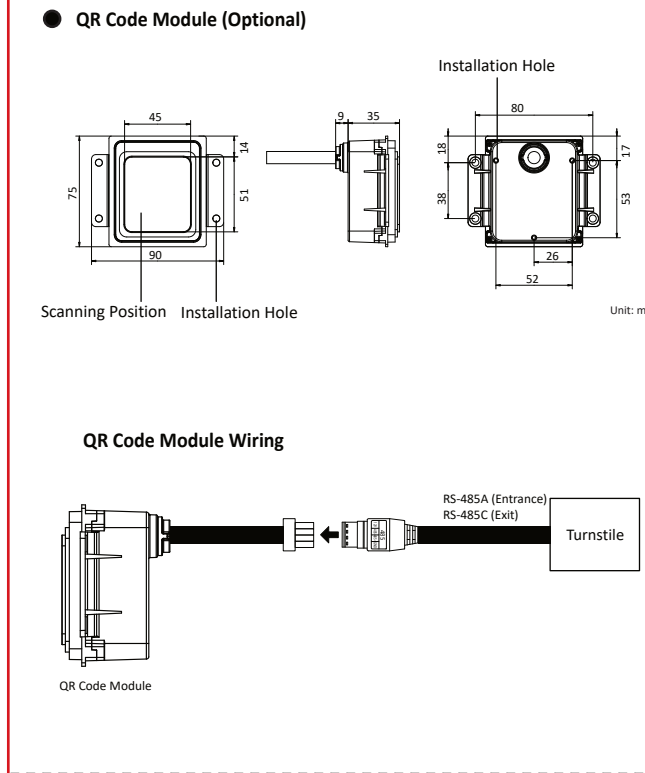
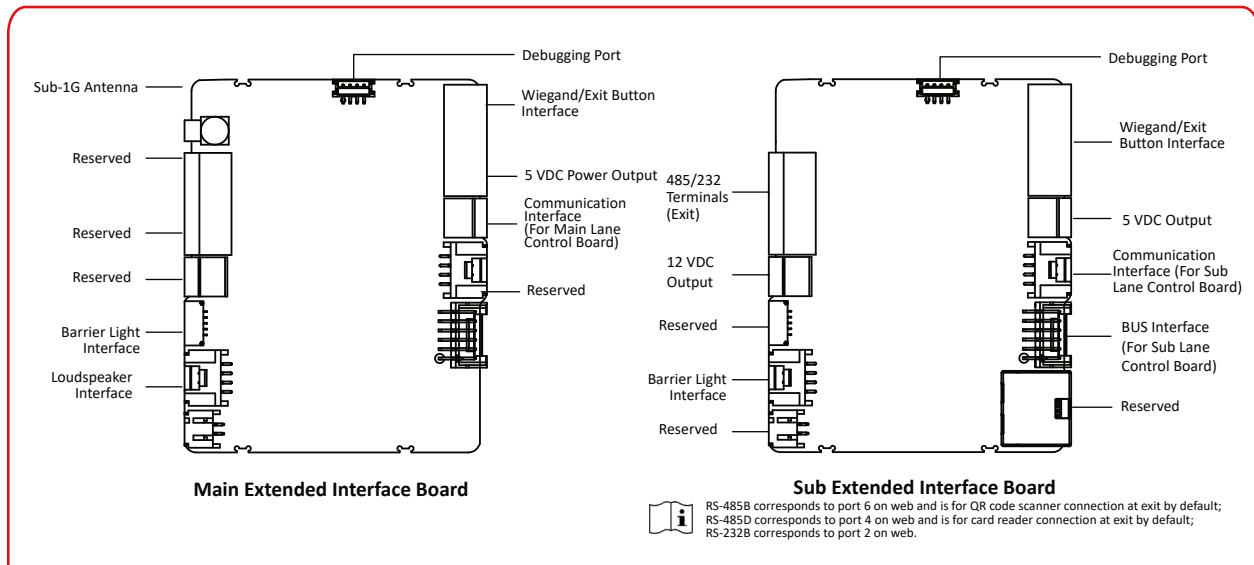


Unit: mm

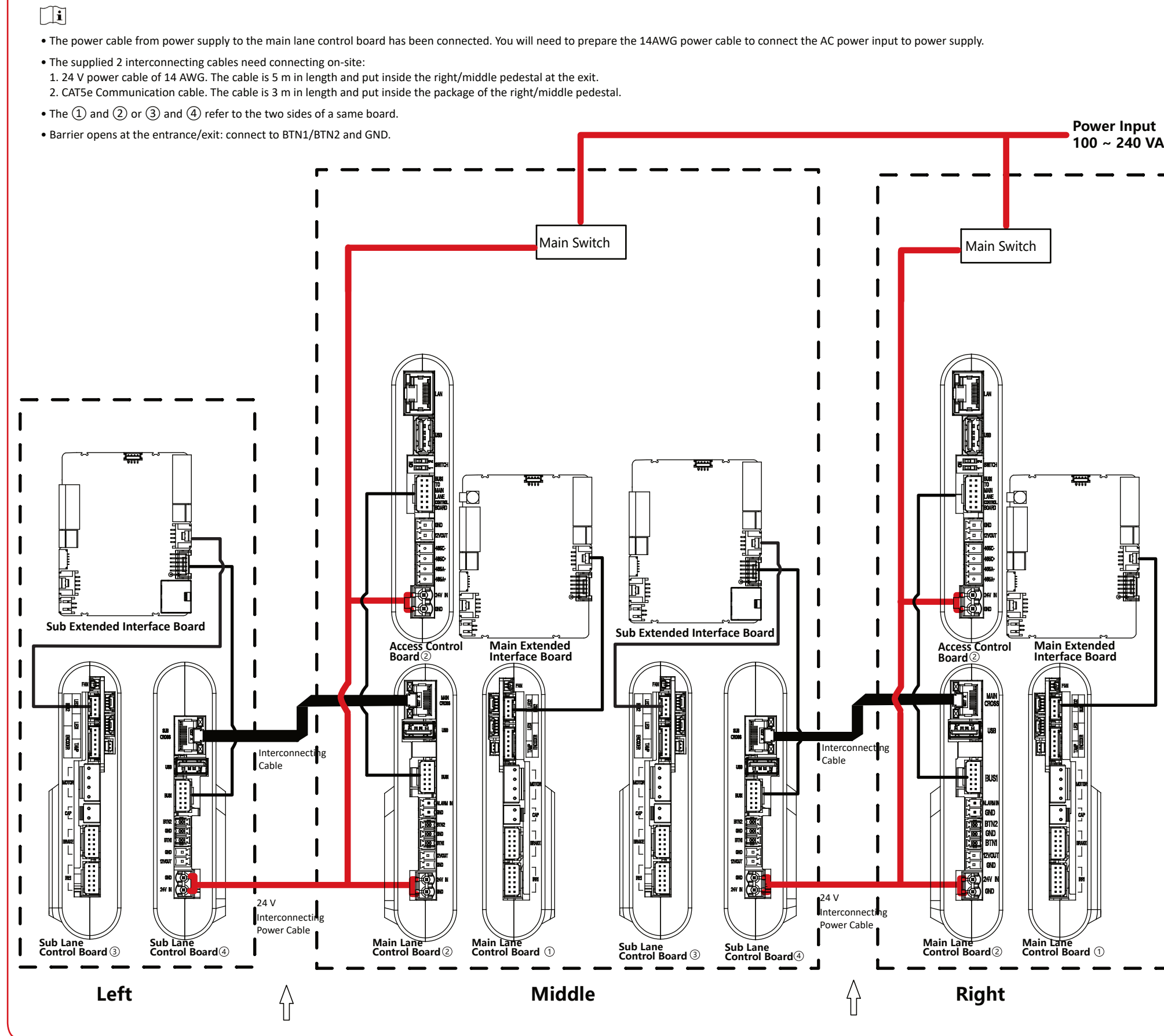
3 Wiring



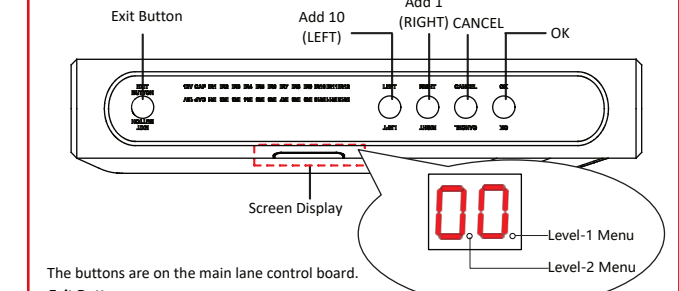
- SOC and MCU serial port are for debugging and maintenance use only.
- Hold the reset button for 5 s, the device will beep for 3 s and start restoring to factory settings.
- RS-485A corresponds to port 5 on web and is for QR code scanner connection at entrance by default; RS-485C corresponds to port 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



5 Button Description



The buttons are on the main lane control board.

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

Parameter Configuration Button
Configuration data: Configuration data is displayed by two digital tubes
LEFT: Press this button to add ten to configuration data
RIGHT: Press this 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.

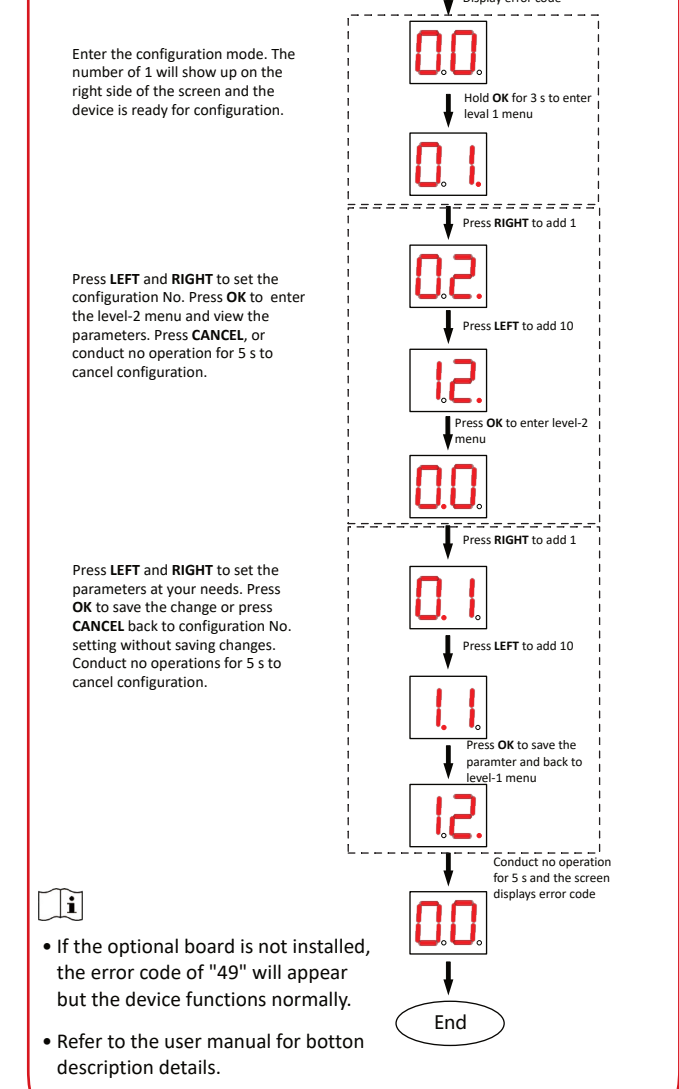
Level-1 Menu: If the decimal point on the right is on, it indicates the level-1 menu. The number represents the configuration item number.
Level-2 Menu: If the decimal point in the middle is on, it indicates the level-2 menu. The number represents the parameters of a configuration item.

Procedure

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.



- If the optional board is not installed, the error code of "49" will appear but the device functions normally.
- 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.
 - Device hotspot is enabled by default. Connect to the device hotspot and create a new password (admin password) via mobile browser 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 Mobile Web**
When the device hotspot is enabled, you can connect to the device hotspot and the login page will pop up. Enter the device user name and the password. Click Login. You can configure the turnstile basic parameters, keyfob settings, light settings, network settings, access control settings and face parameters, etc.
- Configuration via Client Software**
After downloading the client software, you can conduct device management, group management, person management and access control management.
- NFC**
If device hotspot is disabled, make sure your mobile phone and the device are connected to the same network. Place your phone to the NFC area and the login page will pop up. If device hotspot is enabled, place your phone to the NFC area and the name and password of the device hotspot will be obtained automatically.
- The configurations above and the NFC function can be realized only when the device is equipped with access control board.
 - Android system supporting NFC function is recommended. IOS system is not supported.

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Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.