

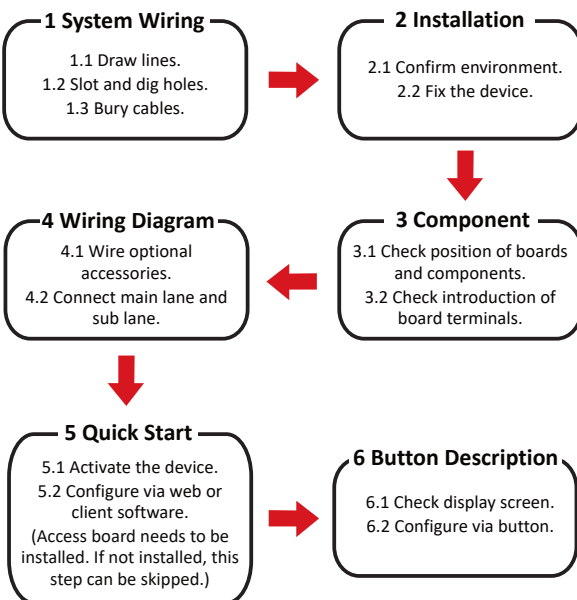


DS-K3B631X Series
Swing Barrier

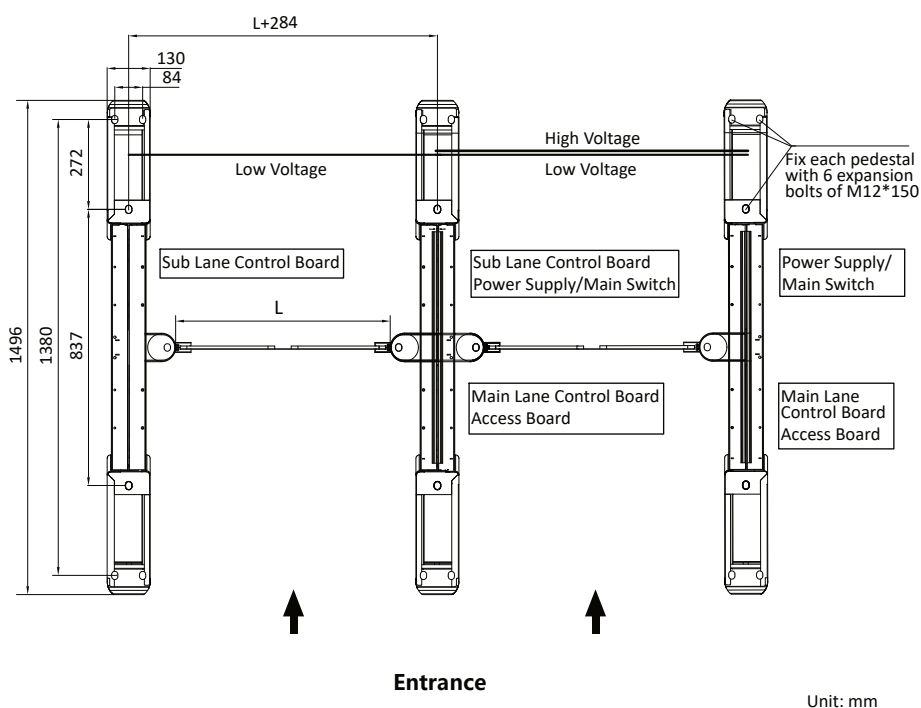
Quick Start Guide

UD34899B

Quick Start Flow Chart



1 System Wiring



Steps:

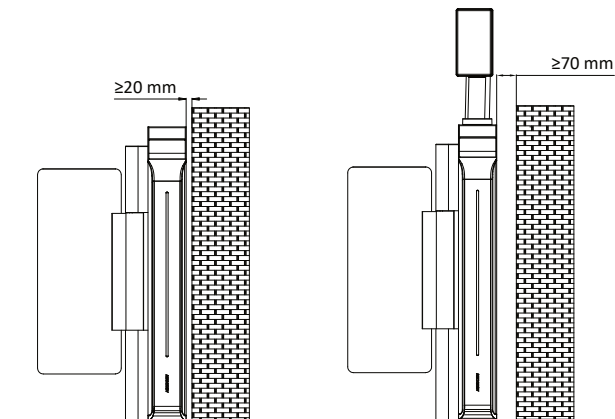
1. Draw a central line on the installation surface of the left or right pedestal.
2. Draw other parallel lines for installing the other pedestals.
3. Slot on the installation surface and dig installation holes according to the hole position. Put 6 expansion bolts of M12*150 for each pedestal.
4. Bury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

- Notes:**
- High voltage: AC power input
 - Low voltage: network cable (CAT5E or CAT6), interconnecting cable (communication cable and 24 V power cable).
 - The suggested inner diameter of the high and low voltage conduit is larger than 30 mm. If high-power authentication devices need to be installed in the left lane, this conduit needs to be widened.
 - If there are no pre-buried high voltage cables, it is necessary to bury high voltage cable conduit. 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.
 - The external AC power cord should be double-insulated.

2 Installation

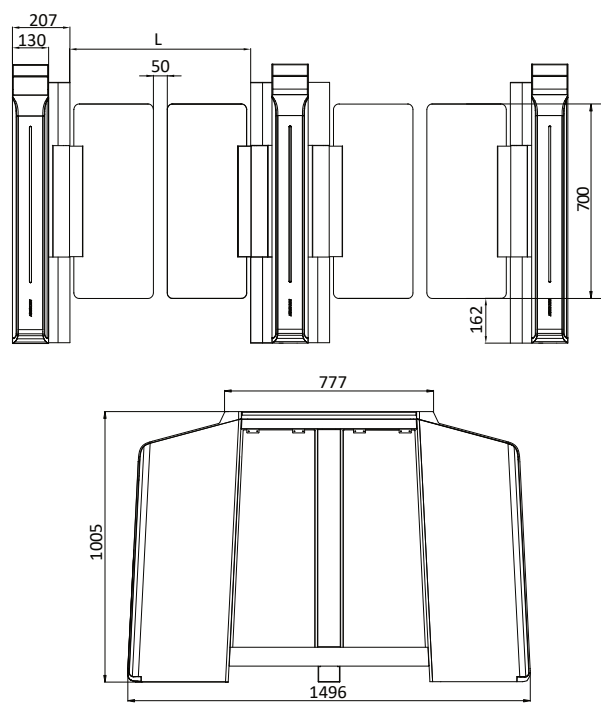
- Steps:**
1. Prepare installation tools, check the components, and clean the installation base.
 2. Place the pedestals properly on the base, and open the maintenance door with the key.
 3. Secure the pedestals with expansion bolts.
 4. Close the maintenance door and lock with the key.

- 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 60 mm.



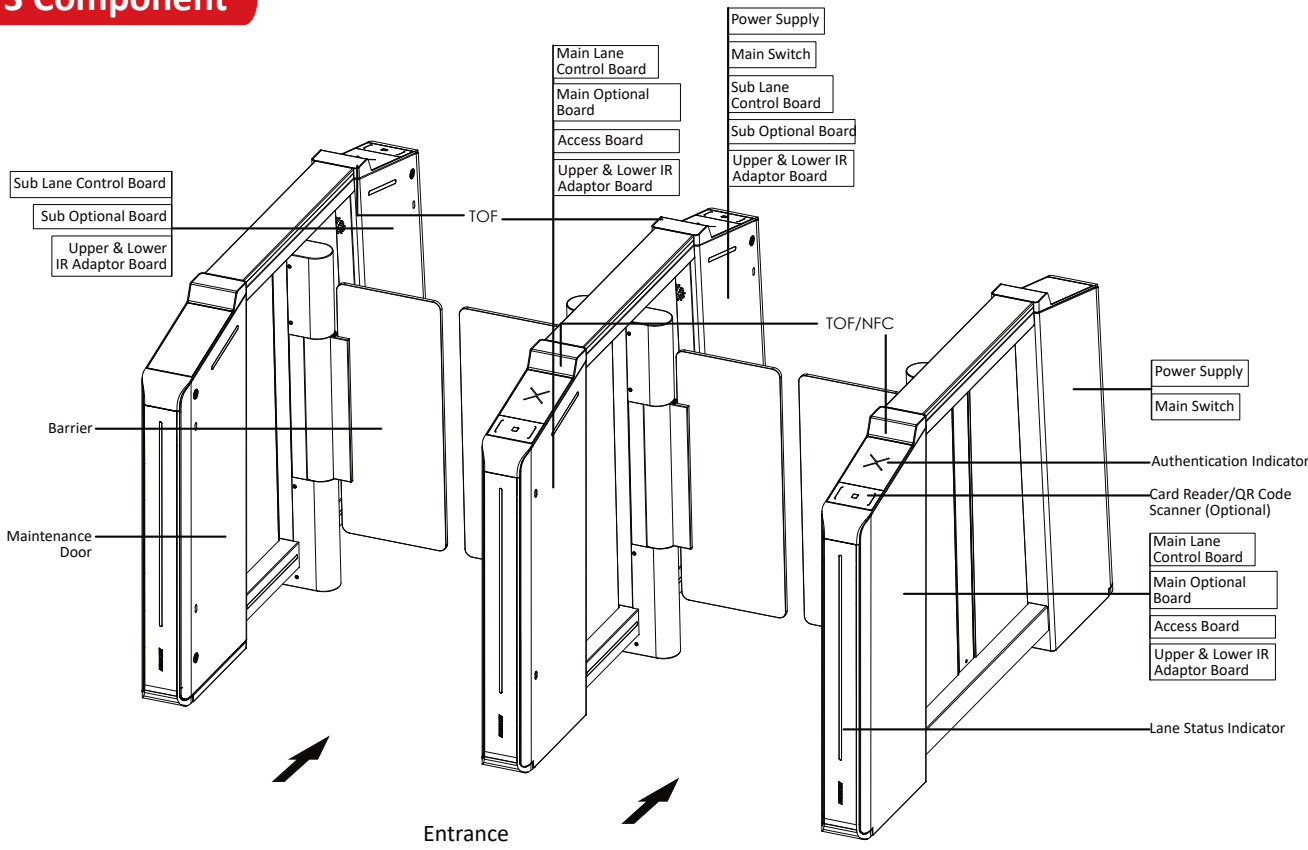
If the installation area is close to the wall, make sure the distance between the pedestal and the wall should be more than 20 mm (70 mm with face recognition terminal), or you might cause damage to the device or cannot open the pedestal's top panel.

Dimension

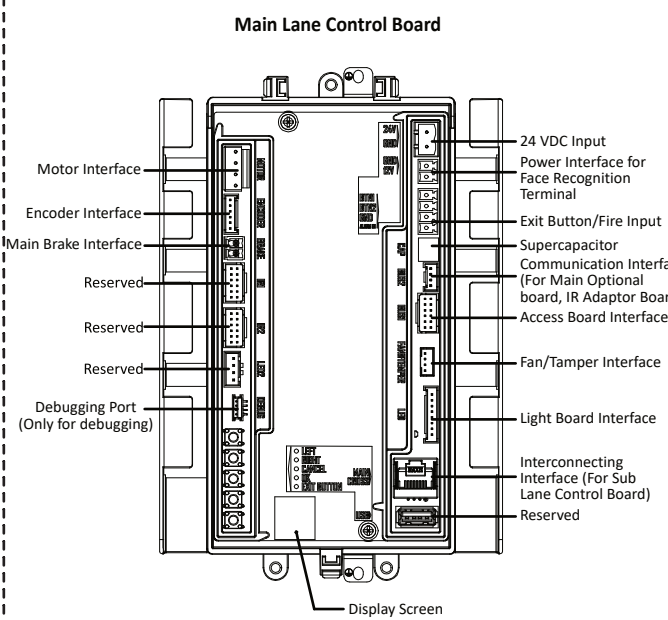


- Notes:**
- The diagram is for reference. Dimensions may differ in models.

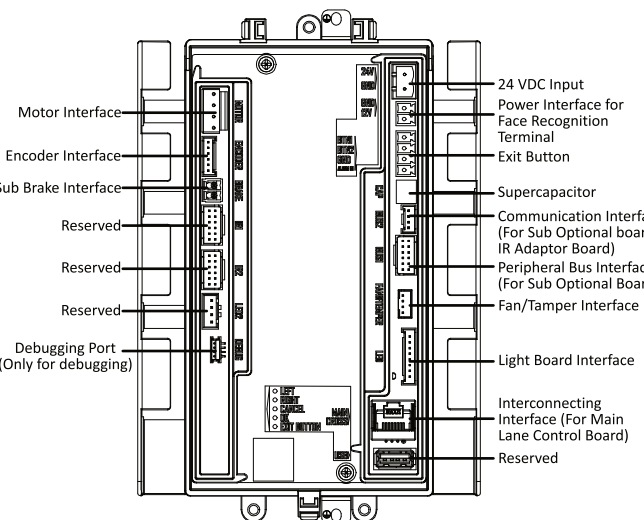
3 Component



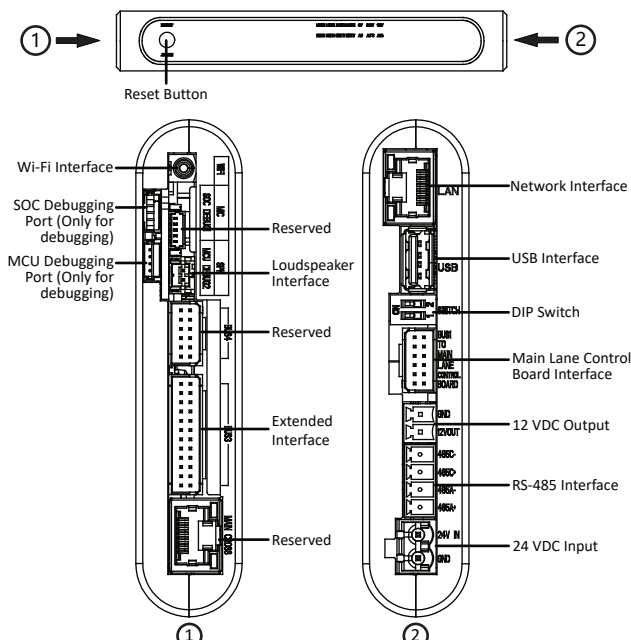
Lane Control Board



Sub Lane Control Board

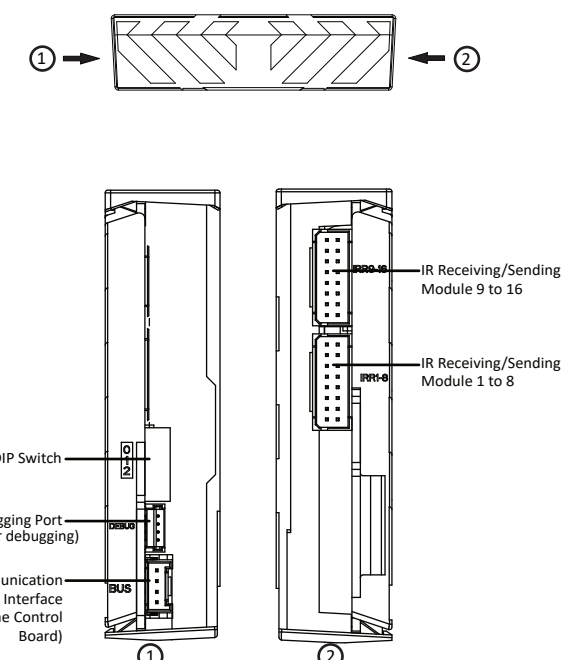


Access Board



- Notes:**
- Hold the reset button for 5 s, the device will beep for 3 s and start restoring to factory settings.
 - RS-485C corresponds to port 5 on web and is for card reader connection at entrance by default.

IR Adaptor Board



- Notes:**
- Set DIP switch to the 1 position for upper IR detector board.
 - Set DIP switch to the 2 position for lower IR detector board.

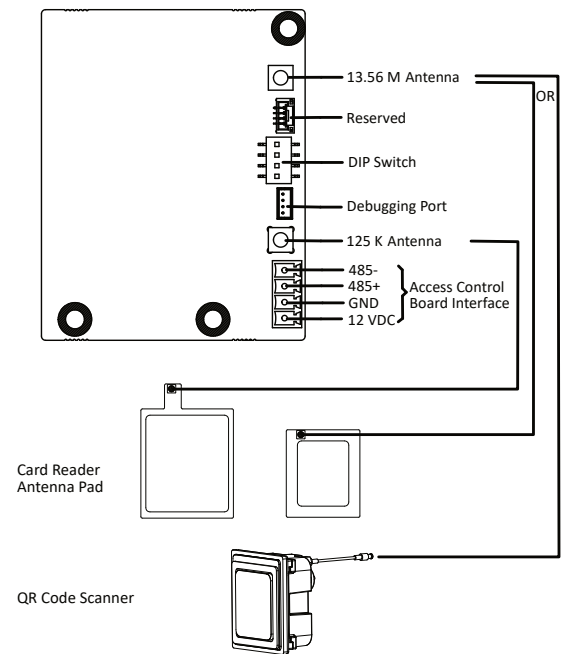
Scan the QR code to view the user manual.



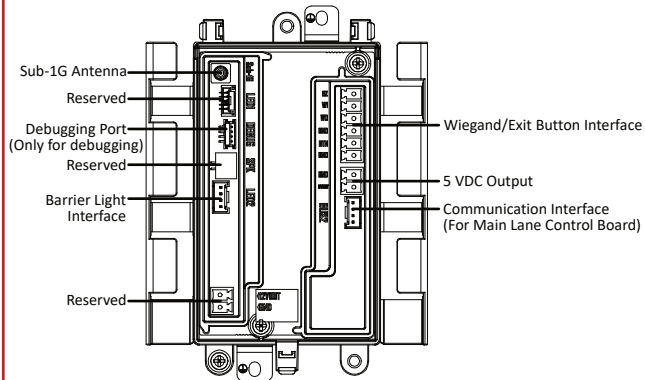
Scan the QR code to view the video guide.



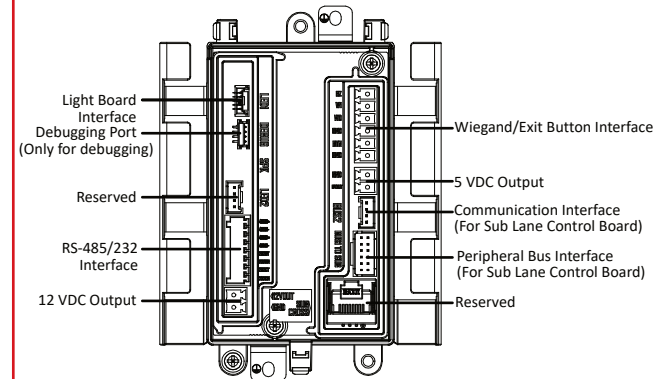
Card Reader Board (Optional)



Main Optional Board



Sub Optional Board

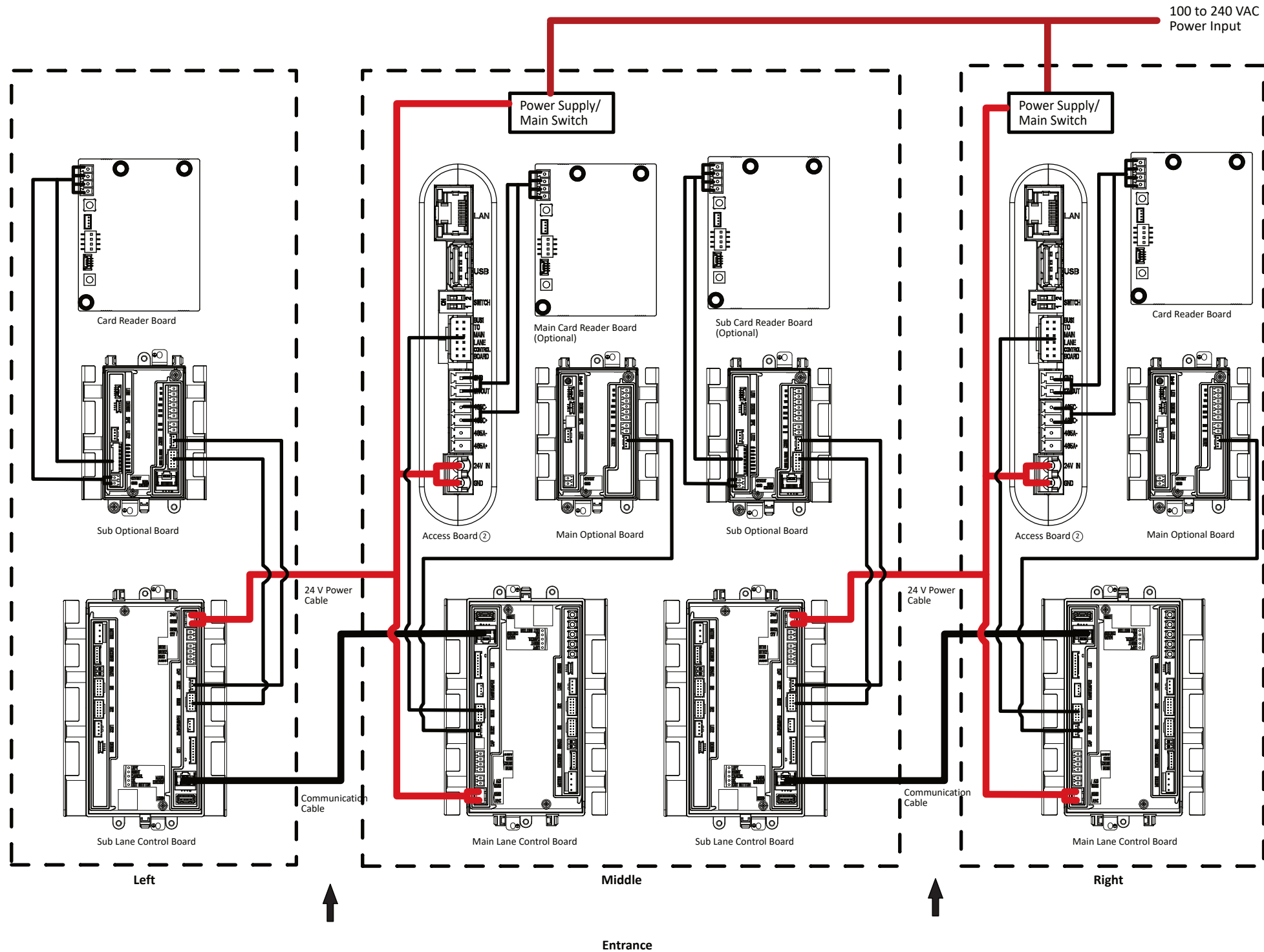


RS-485D corresponds to port 4 on web and is for card reader connection at exit by default; RS-232B corresponds to port 2 on web and is for QR code scanner at exit by default; RS-232C corresponds to port 3 on web and is for card receiver by default.

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.



5 Quick Start



Access board shall be installed for this step.

Activation

Ensure the device and PC are on the same network segment.

- 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 nimda are not supported.

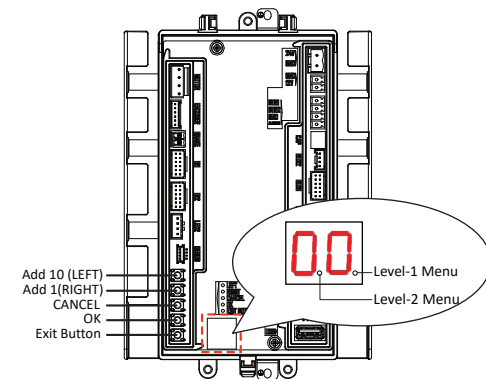
Configuration via PC Web

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.

6 Button Description



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

Exit Button

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

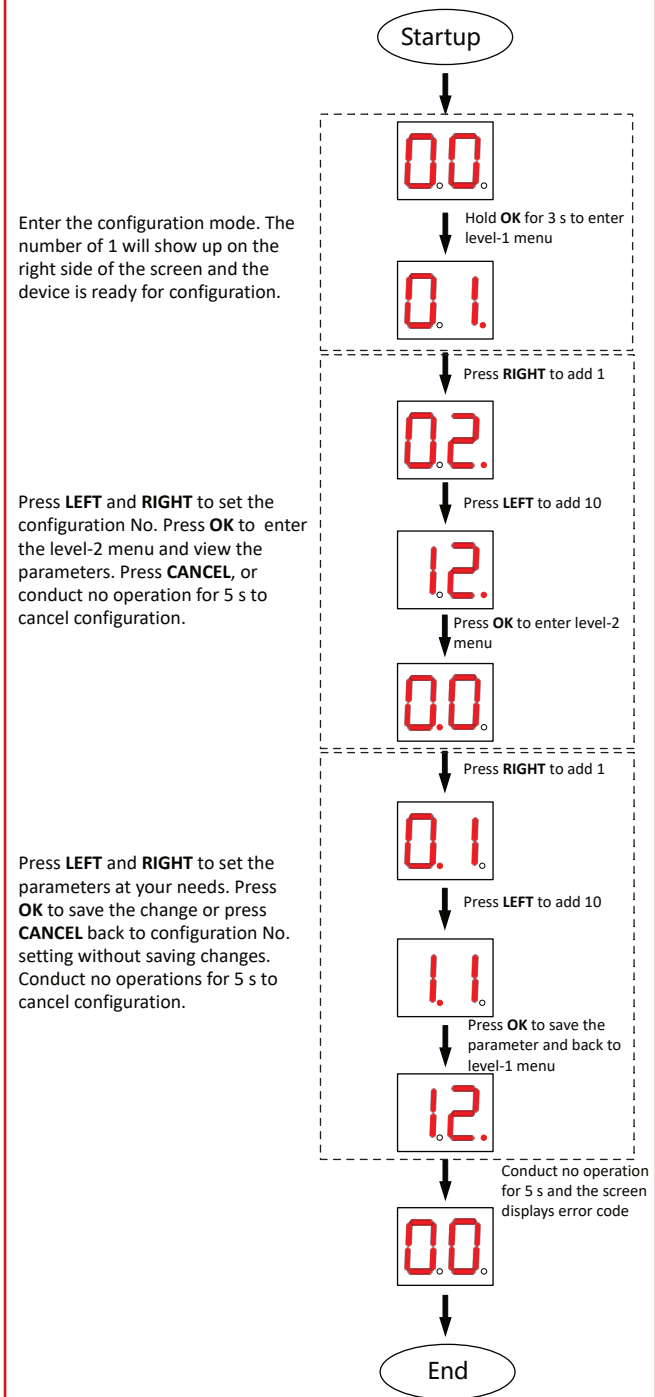
Configuration via Button

- 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 to 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 right decimal point is on, it indicates the level-1 menu. The number represents the configuration item number.

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

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.



- If the optional board is not installed, the error code of "59" will appear but the device functions normally.
- Refer to the user manual for button description details.