

Intelligent Barrier Gate User Manual

Thank you for purchasing our product. Please read this manual carefully before installation and use.

The intelligent barrier gate is a high-quality, high-grade stainless steel automatic gate, suitable for various entrance/exit access control applications. It features bright double-sided LED light boxes for excellent advertising visibility, simple installation and easy operation.

Equipped with an industrial-grade control system and brushless DC motor, it runs smoothly. It supports Chinese/English interface, infrared sensing, voice prompts, infrared anti-pinch, obstacle reversal and other safety functions.

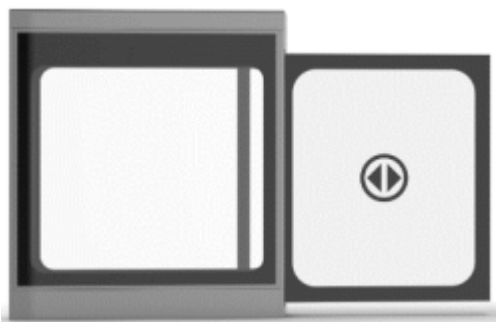
When paired with an optional access control system, it can realize automatic opening and closing.

Important Notes:

- This product requires on-site installation, wiring and commissioning. Installation quality directly affects operation.
 - **Do not modify the gate structure.**
 - **Do not work with power on during wiring.**
 - **Connect the chassis protective ground wire.**
 - Safety signs must be posted: “Electric equipment, do not touch or lean on. Beware of pinching hands; no pushing when accessing; no sudden entry. Do not stay in the operating area.”
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1.Installation & Wiring

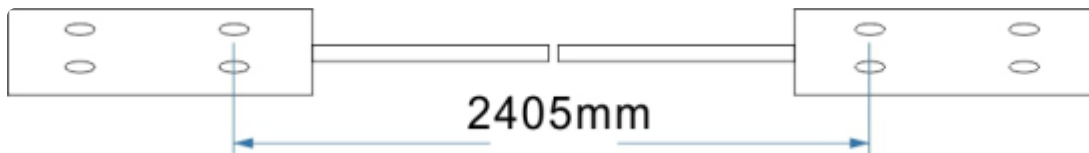
1.1 Installation



- Each set has 4 mounting points. Use M12 anchor bolts; install level and firmly.
- For outdoor use: install on a concrete base ≥ 10 cm high with sun/rain protection.
- **Pair installation (one-in one-out / double gate):**

One gate has main board, the other slave board. Keep them matched.

- Align both gates horizontally; set infrared direction before anchoring.



1.2 Wiring

Single gate:

- 2 conduits: 1 for 220V power, 1 for access control.

Double gate:

- 4 conduits:
 - a. 220V power to both gates.
 - b. 3-core sync cable between gates.
 - c. Access line to one gate (connect to **COM / Left Open** terminals; multiple readers can be parallel).

Important: Do not power face readers from the gate mainboard.

2.Commissioning (3 Steps)

2.1 Set Open Position

1. Press **Set** key 5 times → voice prompt.
2. Use **Left Open / Right Open** to move gate to desired open position.
3. Wait 3 seconds → “beep” sound confirms.
4. For double gate: repeat on slave board.
5. Long press **Set** for 2 seconds to save.

2.2 Test Operation

Press open key or trigger access → check normal opening/closing and voice prompts.

2.3 Common Parameters

1. Open delay: **Menu 2**, default 8s (max 90s).
 2. Voice prompts: **Menu 3**.
 3. Factory reset: Long press **Set** → blink → press **Left Open** to 8-00 → **Right Open** to 8-02 → long press **Set**, then restart.
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3.Parameter Settings

Long press **Set** → LED blinks → use **Left Open** for menu, **Right Open** for value. Long press **Set** to save.

Menu	Function	Range	Default	Description
0	Device No.	1-99	1	485 communication ID
1	Open Mode	1-6	1	1=Standard; 2/3/4=Infrared free; 5=Always open; 6=Always close
2	Open Delay	1-90	8	Seconds
3	Left Voice	0-14	0	0=Thank you; 1=Please pass; etc.
4	Right Voice	0-14	3	
5	Volume	1-9	5	
6	Main Motor Speed	1-25	13	
7	Slave Motor Speed	1-25	13	
8	Debug Mode	0-2	0	2=Factory reset
9	Deceleration	1-30	10	Larger = softer stop
10	Self-test Speed	1-9	3	
11	Pass Mode	0-2	0	1=Memory; 2=One-card one-pass
12	Close Control	0-9	2	Trigger infrared → delay close
13	Motor Mode	0-1	0	0=Dual; 1=Single
14	Language	0-1	0	0=CN; 1=EN
15	Anti-pinch	0-1	1	
16	Anti-pinch Sensitivity	1-9	5	
17	Reverse Handling	0-1	1	

18	Gate Type	0-3	0	Swing / Wing
19	Power-off Open	0-2	2	
20	Motor Force	1-9	5	
21	Alarm Voice	0-2	1	
22	Infrared Delay	1-9	6	×20ms
23	Motor Direction	1-4	1	
24	Clutch Mode	0-3	0	
25	Hall Sensor	0-4	0	
26	Filter	1-9	3	×10ms
27	Priority	0-1	0	Open/Anti-pinch
28	Anti-tailgating	0-2	0	
29	Zero Offset	0-9	2	
30	Free-pass Anti-pinch	0-1	1	
31	Memory Function	0-1	1	
32/33	Slide Compensation	0-9	0	
34	Infrared Count	0-1	0	
