

## Barrier Gate Model: STBG - 4000 – 6000

# SMART TECO

THE BARRIER GATE OPERATOR SYSTEM ,  
EASY TO INSTALL, SAFE TO USE AND SIMPLE  
TO MANAGE.



### **This product is a DC brushless motor boom barrier:**

1. Product power supply is used for 24V DC power supply, eliminating the traditional 220V AC power supply, and the risk factor is reduced during the installation process to meet the safety production requirements;
2. The motor is a 24V brushless motor. Compared with the traditional 220V gate motor, there is no carbon brush wear to make the motor life longer. In high-speed operation and long-term operation, there will be no traditional high-speed and long-term use. The overcurrent protection caused by the operation stops the motor;
3. Exempting the traditional gate limit plate, digital control of the whole process of the product, avoiding the cumbersome process of mechanical limit adjustment;
4. According to different environmental occasions, the corresponding landing speed (1-6s) and various functions can be freely adjusted on the gate control panel;
5. Unique anti-mite function, fully digital monitoring, mast force and reaction time can be adjusted freely, no need to add any auxiliary equipment (pressure wave, infrared sensor, etc.).

### **ADVANCED TECHNOLOGY**

1. When Power off, gate automatically open, no clutch design, no need human intervention. When power on, gate automatically reset, restore to the gate closing state, truly unattended, fire safety standards. If special requirement, manual operation is required when power off. Operating arm open and close by hand also can be realized by setting up control board DIP switch, which ensure that the system can be used at any time.
2. The use of Single Balance Spring device, good regulation, no noise, indefatigable, not easy to break, safe and reliable.
3. A variety of input and output modes can be selected, normally open normally closed optional.
4. Arm opening angle can be adjusted from 60 to 90 degrees, 10 degrees resolution, suitable for eaves prominent place to install.
5. Closing speed can be adjusted, 0.9S, 1.3S.
6. Barrier gate up & down signal relay switch output.
7. Barrier gate running state: OK signal output indicating that the gate is working properly.

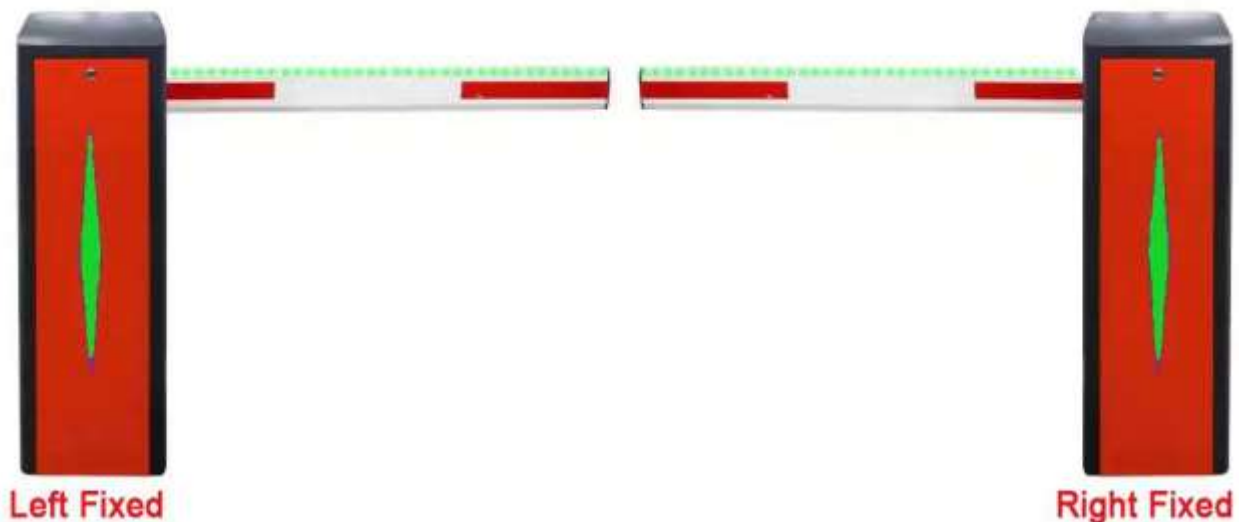


8. Barrier gate operation abnormal alarm signal output.
9. Traffic light relay switch signal output.
10. External loop detector signal anti-smashing interface, infrared sensor signals anti-smashing interface.
11. Count mode interface.
12. Arm Open priority anti-smashing function, regardless of the current gate in what state, the operator through the triple push button, software or remote control to issue a gate arm up, the gate will give priority to the implementation of the opening action.
13. Barrier with anti-collision protection function, when the vehicle hits the gate arm, arm can be swing out to avoid damage to the vehicle and barrier gate machine.
14. Delay down selection function.
15. high sensitivity arm auto reverse function (in-tensity can be adjusted)
16. Parking system interface
17. RS485 or RS232 network communication control up & down interface (no need to install communication module)
18. Anti-collision alarm signal interface.
19. Arm direction can be changed easily
20. Adjustable speed port (S curve adjustment)
21. High-strength precision cast steel, industry moving parts beyond the industry quality control of barrier mode, meeting



## Application

Parking Lots, Toll Gates, Goods Yards, Railway Crossings, Commercial Premises, Apartment Block Access



## Specifications

Model	STBG -4000	STBG - 6000
Power Supply	220V±10%, 110V±10%, 50/60HZ	220V±10%, 110V±10%, 50/60HZ
Running Time	1-6S	1-6S
Motor	DC24V servo motor	DC24V servo motor
Operating Temperature	-40°C-60°C	-40°C-60°C
Relative Humidity	≤95%, No condensation	≤95%, No condensation
Remote control Distance	≥30m	≥30m
Boom length	Max 4m	Max 6m
Communication Connection	RS485 Communication	RS485 Communication
Boom Type	Straight, Articulated, Fence arm	Straight, Articulated, Fence arm
related accessories	Infrared sensors, Loop detectors, Traffic light, UHF readers	Infrared sensors, Loop detectors, Traffic light, UHF readers
Feature	Vehicle access control & Car parking lots	Vehicle access control & Car parking lots
Cabinet	Powdered painting,	Powdered painting,
Protection level	IP54	IP54
Housing dimensions (W x D x H)	300 * 280 * 980 (mm)	300 * 280 * 980 (mm)
Packing dimensions (W x D x H)	460 * 420 * 1150 (mm)	460 * 420 * 1150 (mm)
Net weight (without boom)	42kg	42kg
Gross weight (without boom)	58kg	58kg

## Automatic Barrier Gate DC 24V Servo Motor For Highway Toll Gates

