TOPENS AT602

TOPENS AT602 Dual Swing Gate Opener

Instruction Manual

Model: AT602 | Brand: TOPENS

Product Overview

The TOPENS AT602 Dual Swing Gate Opener is designed for medium-duty dual swing gates, supporting gates up to 18ft in length or 660lbs in weight per gate leaf. This automatic gate motor provides a convenient and secure solution for residential, commercial, courtyard, farm, and ranch applications. It features quiet operation, multiple power options, and advanced safety features to ensure reliable performance.



Image: Complete TOPENS AT602 Dual Swing Gate Opener kit, including two gate opener actuators, a control box, remote controls, and installation hardware.

Safety Information

Always prioritize safety during installation and operation. Moving gates can cause serious injury or death. Ensure all safety features are properly installed and tested before regular use.

- The safety stop-and-reverse feature is activated in case of any obstructions during gate opening/closing.
- The “auto-close” feature helps secure the property after you leave.
- “Soft start and soft stop” protect the motor for long-term outdoor use.
- A manual release key is included for backup use during power outages.
- Adopting advanced TOPENS code, the remote perfectly prevents unauthorized access, ensuring multiple protection & safety.

Components Included

- 2 x Gate Opener Actuator (Arm), with a 5 feet 5-Conductor Cable per Arm
- 1 x Waterproof Control Box
- 1 x Full Set of Required Installation Hardware
- 2 x M12 Remote Control Transmitter
- 2 x Emergency Release Key

Setup and Installation

The installation process is designed to be straightforward for DIY enthusiasts. Please follow the steps carefully.

Installation Video Guide

Your browser does not support the video tag.

Video: Detailed installation guide for the TOPENS AT602 Dual Gate Opener, provided by the seller.

1. Preparation

Before beginning installation, ensure you have all necessary tools and have reviewed the instruction manual for specific measurements and requirements.



Image: Remote control operation of a swing gate opener, demonstrating ease of use.

2. Fixing the Arm to the Gate

Carefully attach the gate opener arms to your gate structure. Ensure proper alignment and secure fastening for optimal performance.

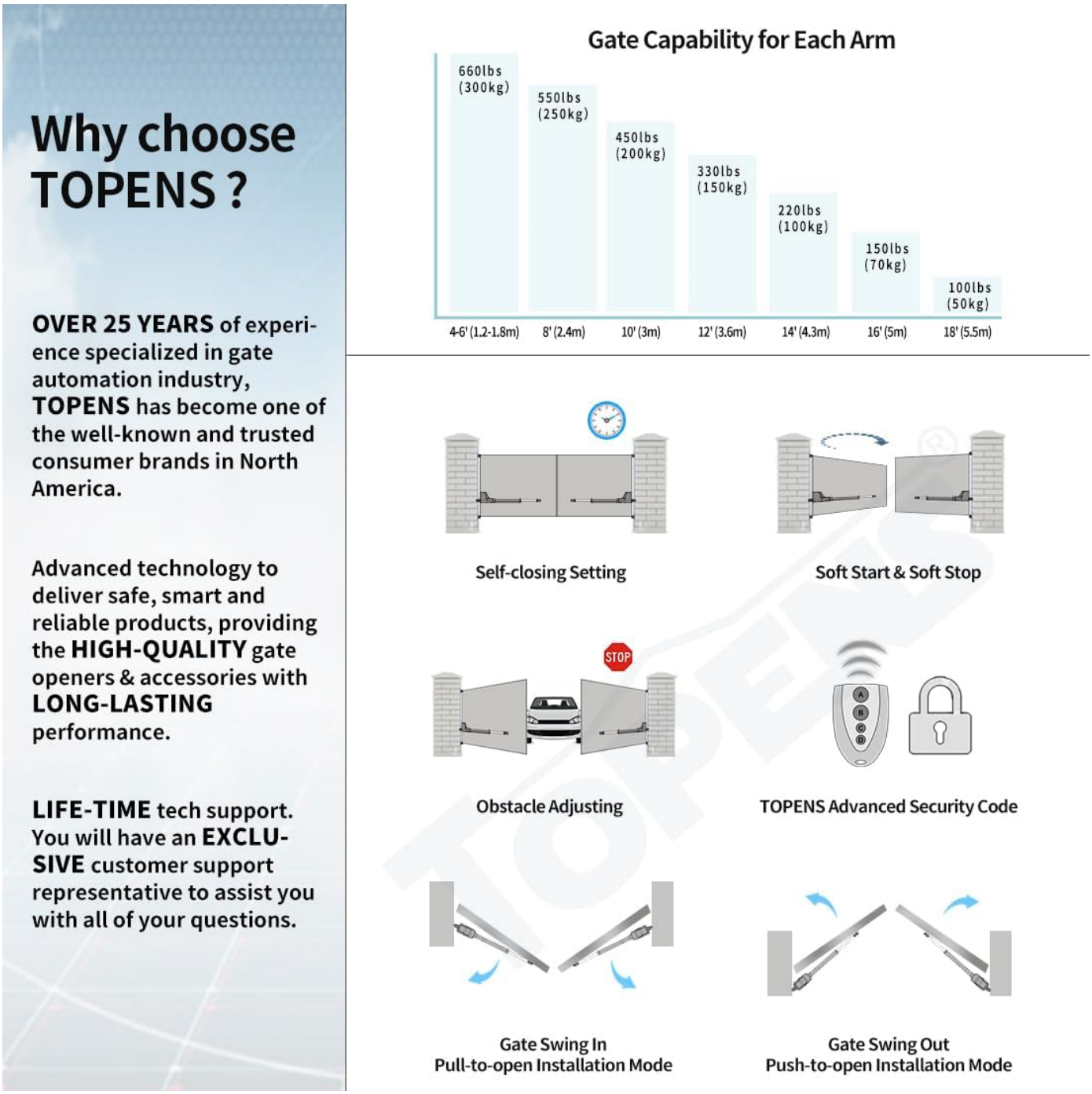


Image: Diagrams illustrating gate capabilities based on weight and length, along with features like self-closing, soft start/stop, obstacle adjusting, and security code.

3. Control Box Installation

Mount the waterproof control box in a secure and accessible location near the gate. Ensure it is protected from environmental elements.



Image: Exploded view diagram of the gate opener motor, highlighting key components such as the smart chip, electromagnetism limit switch, remote control, and manual release key.

4. Wiring Connections

Connect the gate opener arms to the control board following the wiring diagram provided in the manual. Pay close attention to color-coded wires for correct connections.

Power Supply Options

The AT602 offers flexible power options to suit various needs:

- **AC Electricity:** The unit is powered directly by 110-120VAC electricity.
- **Battery Backup:** You can add two 12V 12Ah automotive/marine type batteries (not included) connected in series to

become 24V for backup power.

- **Solar Compatible:** Use AC electricity alone or together with a 20W solar panel & solar charge controller (not included) to charge the batteries.

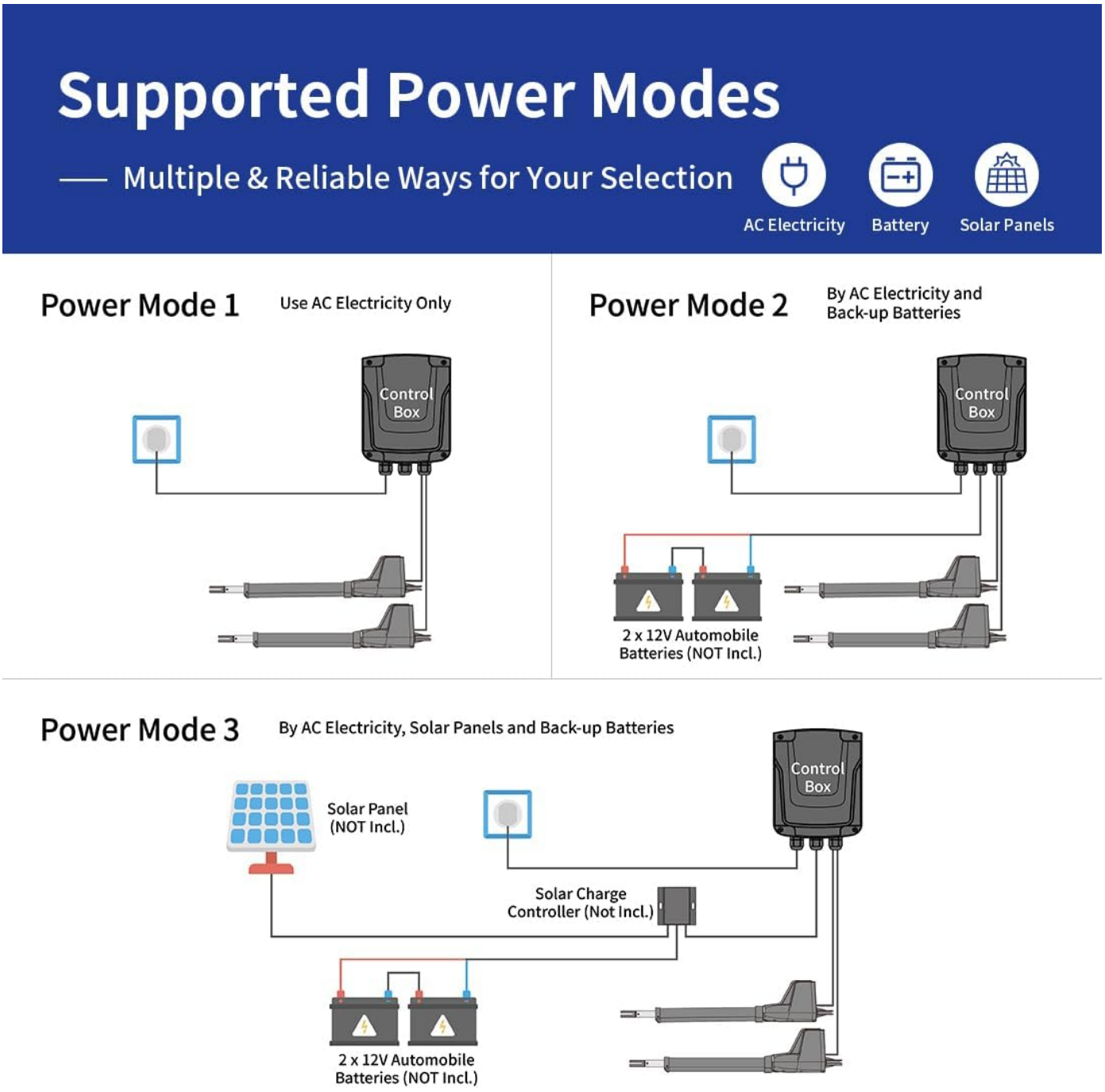


Image: Visual representation of three power modes: AC electricity only, AC electricity with backup batteries, and AC electricity with solar panels and backup batteries.

Your browser does not support the video tag.

Video: Short demonstration of the TOPENS AT602 Dual Swing Gate Opener powered by AC electricity, provided by the seller.

Operating Instructions

Remote Control Programming

The M12 remote controls are pre-programmed. If additional remotes are needed, follow the programming instructions in

the full user manual. The advanced TOPENS code ensures secure access.

Adjusting the Limit Switch

The electromagnetism limit switch is easy to adjust. Refer to the detailed instructions in the manual for precise adjustment to ensure proper gate travel.

Control Board Settings

The control board features a numeric display that guides you through all setting steps clearly. Parameters such as auto-close time, soft start/stop, and obstacle sensitivity can be adjusted.

Safety Photocell Beam System

For enhanced safety, the system supports a safety photocell beam. This feature prevents the gate from closing if an obstruction is detected in its path.

Compatible Accessories

The AT602 is compatible with a range of TOPENS accessories to enhance functionality and convenience, including wired/wireless keypads, vehicle sensors, and warning lights.



	AT602	AT1202	AT6132S	AT12132S
Performance	Medium Duty	Heavy Duty	Medium Duty	Heavy Duty
Gate Capabilities	18ft or 660lbs Each Gate	18ft or 880lbs Each Gate	18ft or 660lbs Each Gate	18ft or 880lbs Each Gate
Motor Voltage & Power	24VDC & 50W	24VDC & 80W	24VDC & 50W	24VDC & 80W
Recommended Power Supply Mode	110-120VAC Electricity	110-120VAC Electricity	2 x 12V Battery (NOT Incl.)	2 x 12V Battery (NOT Incl.)
Battery as Power Source	Used as Back-up Power Source Only	Used as Back-up Power Source Only	Add On Directly	Add On Directly
Solar Compatible	√	√	√ (Incl.)	√ (Incl.)
# of Remote Controls Included	2	2	2	2
Compatible Accessories	All the TOPENS Accessories	All the TOPENS Accessories	All the TOPENS Accessories	All the TOPENS Accessories
Overall Dimension	32.6 x 4.9 x 8.2" (829 x 124 x 208 mm)	32.6 x 4.9 x 8.2" (829 x 124 x 208 mm)	32.6 x 4.9 x 8.2" (829 x 124 x 208 mm)	32.6 x 4.9 x 8.2" (829 x 124 x 208 mm)

Image: A selection of compatible accessories available for TOPENS gate openers, including remote controls, keypads, sensors, and solar panels.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your gate opener. Inspect the following periodically:

- Keep the gate and opener arms clean and free from debris.
- Check all wiring connections for tightness and signs of wear.
- Ensure the gate moves freely without excessive friction or binding.
- Test safety features, such as the auto-reverse and photocell beam, regularly.

Troubleshooting

If you encounter issues, refer to the troubleshooting section in the complete user manual. Common issues often relate to power supply, remote control programming, or limit switch adjustments. For complex problems, contact TOPENS customer support.

Specifications

Attribute	Value
Manufacturer	TOPENS
Part Number	AT602
Item Weight	42.1 pounds
Product Dimensions	32.64 x 4.88 x 8.19 inches
Country of Origin	China
Item model number	AT602
Batteries Required?	Yes (6 CR2 batteries included)
Size	Dual Swing Gate Opener
Color	Sliver
Maximum Power	50 Watts

Attribute	Value
Sound Level	50 dB
Usage	General Purpose
Date First Available	May 12, 2020

Warranty and Support

TOPENS provides a 12-month warranty for this product. For any questions or concerns, TOPENS offers excellent technical support. You can visit the TOPENS website to download the user manual, watch installation videos, and access customized service.
TOPENS specialists are available to provide professional and timely solutions for any issues you may encounter.

For more information, visit the official TOPENS website or contact customer support.
Email: support@topens.com
Phone: +86 (571) 8908 0213 (China)
Mon-Fri 9:00AM-5:30PM (UTC +08:00)

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question