

**TOPENS RK700T**

# TOPENS RK700T Automatic Sliding Gate Opener

Instruction Manual

Model: RK700T | Brand: TOPENS

## 1. INTRODUCTION

The TOPENS RK700T Automatic Sliding Gate Opener is engineered to provide reliable and convenient automation for heavy-duty sliding gates. This system is designed to smoothly operate gates weighing up to 1600 pounds and measuring up to 40 feet in length. It is suitable for various gate types, including those made of steel, wood, vinyl, and shaped as tube, panel, or chain-link. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your gate opener.



Image: The TOPENS RK700T gate opener shown installed with various types of sliding gates, demonstrating its versatility for different materials and designs.

## 2. KEY FEATURES

- **Powerful Motor:** Equipped with a 2/5 HP (300W) AC motor, capable of driving gates up to 1600 lbs and 40 ft.
- **Wide Application:** Compatible with all types of driveway sliding gates, including steel, wood, and vinyl. Ideal for residential, commercial, courtyard, farm, and ranch applications.
- **Advanced Security:** Features TOPENS code technology to prevent unauthorized access and includes a safety stop-and-reverse module for obstruction detection.
- **Intelligent Operation:** Offers a 'midway mode' for partial gate opening and an 'auto-close' function for enhanced security. The open/close direction can be easily switched.
- **Durable Construction:** Utilizes a durable gear-wheel made from commercial-grade material for stable and long-lasting performance.

- **Weatherproof Design:** Rated for outdoor use, operating effectively in temperatures from 0°F to 120°F.
- **Quiet Operation:** Operates at a sound level of less than 50 dB.

# STRONG POWERFUL MOTOR

Easy DIY Installation with Assembly Parts Included



Image: An illustrative diagram showcasing the internal components and key features of the RK700T, including the motor, gear racks, remote controls, and safety mechanisms.

## 3. PACKAGE CONTENTS

Upon unpacking, please verify that all the following components are included in your package:

- 1 x TOPENS RK700T Gate Opener Unit
- 12 x Nylon Gear Rack Sections (Total 13 ft.)
- 2 x M12 Remote Control Transmitters
- 1 x Emergency Release Key
- 1 x Full Set of Required Installation Hardware



Image: A visual representation of the main components included in the RK700T product package, showing the gate opener, gear racks, and remote controls.

## 4. INSTALLATION GUIDE

The RK700T is designed for DIY installation, requiring commonly available tools and no extra welding. Follow the step-by-step instructions provided in the comprehensive user manual (not included in this digital summary) for proper setup.

- **Power Requirements:** The gate opener is powered exclusively by AC 110-120V electricity. A power supply cord is required but not included in the package.
- **Mounting:** Ensure a stable and level mounting surface for the gate opener. Proper alignment of the gear rack along the entire length of the gate is crucial for smooth operation and to prevent issues like slipping.
- **Gate Compatibility:** The system is compatible with various gate materials and designs. Ensure your gate's weight and length are within the specified limits (max 1600 lbs, max 40 ft).
- **Limit Switch Adjustment:** The electromagnetism limit switch allows for simple adjustment of the gate's open and close positions.

Image: A simplified diagram illustrating the power connection for the RK700T, indicating it operates on 110-120VAC only.

## 5. OPERATION

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Operating your TOPENS RK700T gate opener is straightforward:

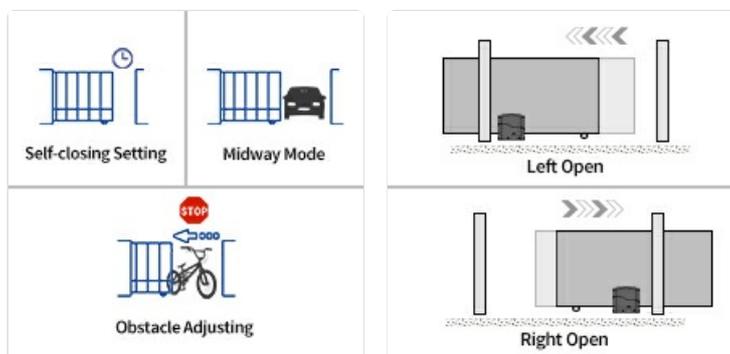
- **Remote Control:** Simply press the button on the M12 remote control to open or close the gate. The remote has an operation range of up to 65 feet.
- **Midway Mode:** Activate the unique 'midway mode' to open the gate partially, ideal for pedestrian access or smaller vehicles.
- **Auto-Close Function:** For added security, the gate can be set to automatically close after a preset delay.
- **Direction Switching:** The gate opener's open/close direction can be easily switched to accommodate left or right-opening gates.
- **Manual Release:** In case of a power outage or if the remote control is lost, use the provided emergency release key to manually operate the gate.

# ENJOY YOUR SLIDING GATE OPENER

Simply press the remote button, the gate will open automatically



Image: A user operating the sliding gate opener with a remote control from their vehicle, emphasizing the convenience of automatic gate operation.



Images: Visual explanations of the self-closing, midway, and obstacle detection features, along with diagrams showing how the gate can be configured for left or right opening.

## 6. SAFETY AND PROTECTION

The TOPENS RK700T incorporates several features to ensure safe operation:

- **Stop-and-Reverse Module:** If the gate encounters an obstruction during opening or closing, the safety stop-and-reverse module will activate, preventing damage or injury.
- **Secure Remote Coding:** Advanced TOPENS code technology ensures that only authorized remote controls can operate the gate, preventing unauthorized access.
- **Manual Release:** The emergency release key provides a failsafe mechanism to operate the gate manually in situations where automatic operation is not possible.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your TOPENS RK700T gate opener, regular maintenance is recommended:

- **Regular Inspection:** Periodically check the gate and the opener system for any signs of wear, damage, or loose connections.
- **Cleanliness:** Keep the gear rack and the area around the gate opener free from debris, dirt, and obstructions that could impede smooth operation.
- **Lubrication:** Refer to the full user manual for specific lubrication requirements for moving parts, if any.

## 8. TROUBLESHOOTING

If you encounter issues with your gate opener, consider the following common troubleshooting steps. For detailed solutions, always refer to the complete user manual.

- **Gate Not Moving:** Check power supply, ensure the emergency release is not engaged, and verify remote control battery.
- **Gate Stops or Reverses Unexpectedly:** This often indicates an obstruction. Clear the gate path and inspect the gear rack for proper alignment and any foreign objects. Issues with the circuit board or precise track adjustment can also cause this.
- **Remote Control Issues:** Ensure remotes are properly programmed and within range. Replace batteries if necessary.

If problems persist after basic troubleshooting, it is recommended to contact TOPENS customer support for professional assistance.

## 9. TECHNICAL SPECIFICATIONS

Specification	Value
Manufacturer	TOPENS

Specification	Value
Part Number	RK700T
Item Weight	31.2 pounds
Product Dimensions	9.92 x 6.65 x 9.84 inches
Item Model Number	RK700T
Batteries Required	Yes (6 CR2 batteries included)
Color	Green
Power Source	AC
Voltage	110 Volts
Wattage	300 watts
Horsepower	0.4 hp
Maximum Weight Capacity	700 Kilograms (approx. 1543 lbs)
Sound Level	50 dB
Usage	General Purpose
Date First Available	April 20, 2021

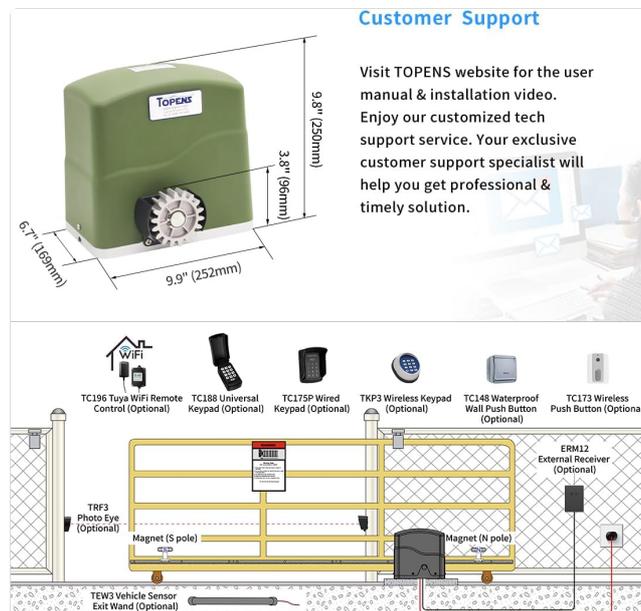


Image: A diagram illustrating the physical dimensions of the RK700T gate opener, providing measurements in both inches and millimeters.



RK700T



RK990T



RK1200T

<b>Rack Included</b>	13ft	13ft	13ft
<b>Gate Capabilities</b>	1600lbs. and 40ft	2200lbs. and 40ft	3400lbs. and 40ft
<b>Motor Voltage &amp; Power</b>	120VAC & 300W, 2/5 HP	120VAC & 370W, 1/2 HP	120VAC & 550W, 3/4 HP
<b>Gate Moving Speed</b>	6 in/s (15 cm/s)	8 in/s (20 cm/s)	8 in/s (20 cm/s)
<b>Power Mode</b>	AC Electricity ONLY	AC Electricity ONLY	AC Electricity ONLY
<b>Battery Capable &amp; Solar Compatible</b>	X	X	X
<b># of Remote Controls Included</b>	2	2	2
<b>Compatible Accessories</b>	All the TOPENS Accessories	All the TOPENS Accessories	All the TOPENS Accessories
<b>Overall Dimension</b>	9.9 x 6.7 x 9.8" (252 x 169 x 250 mm)	10.7 x 6 x 13" (271 x 152 x 331 mm)	11.6 x 6.1 x 13.2" (295 x 154 x 336 mm)

Image: A comparative table detailing specifications for the RK700T alongside other TOPENS sliding gate opener models (RK990T, RK1200T), highlighting differences in capacity and features.

## 10. COMPATIBLE ACCESSORIES

The TOPENS RK700T is compatible with a range of optional accessories to enhance its functionality and convenience. These accessories are available separately from the TOPENS Online Store.

- **Remote Controls:** Additional M12 Remote Control Transmitters.
- **Keypads:** TC188 Universal Keypad, TC175P Wired Keypad, TKP3 Wireless Keypad.
- **Sensors:** TRF3 Reflection Photocell Sensor, TC102 Photo Eye Beam Sensor, TEW3 Vehicle Sensor Exit Wand.
- **Control Devices:** TC136 Tuya WiFi Remote Control, TC148 Waterproof Wall Push Button, TC147 Wall Push Button, TC173 Wireless Push Button, HLR01 Homelink Remote Control Kit.
- **Safety & Warning:** JD110VY Warning Light.
- **Receivers:** ERM12 External Receiver.
- **Gear Racks:** RNH2 Heavy Duty Nylon Gear Rack, RNH4 Heavy Duty Nylon Gear Rack.

# Compatible Accessories

Available at TOPENS Online Store



TC196 Tuya WiFi Remote Control



TC188 Universal Keypad



TC175P Wired Keypad



TKP3 Wireless Keypad



HLR01 Homelink Remote Control Kit



TC148 Waterproof Wall Push Button



TC147 Wall Push Button



TC173 Wireless Push Button



TRF3 Reflection Photocell Sensor



TC102 Photo Eye Beam Sensor



JD110VY Warning Light



TEW3 Vehicle Sensor Exit Wand



RNH2 Heavy Duty Nylon Gear Rack



RNH4 Heavy Duty Nylon Gear Rack



M12 Remote Control Transmitter



ERM12 Universal External Receiver

Image: A visual display of various optional accessories that can be integrated with the TOPENS RK700T, such as keypads, sensors, and additional remote controls.

## 11. WARRANTY AND CUSTOMER SUPPORT

TOPENS is committed to providing high-quality products and excellent customer service.

- **Warranty:** The TOPENS RK700T comes with a 12-month warranty from the date of purchase.
- **Returns & Exchange:** TOPENS offers a 30-day exchange and return policy.
- **Technical Support:** Professional and timely technical support is available. For assistance, visit the [TOPENS website](#) to download the full user manual, watch installation videos, and access customized service.



Image: An icon symbolizing customer support, indicating that assistance is available via email.

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For the most up-to-date information, please refer to the official TOPENS website or the full product manual.

## Related Documents

	<p><a href="#">TOPENS DKC500(S/Y) Sliding Gate Opener User's Manual</a></p> <p>This user manual provides comprehensive instructions for the installation, operation, and maintenance of the TOPENS DKC500(S/Y) Sliding Gate Opener. It includes safety precautions, parts lists, technical specifications, and troubleshooting guides.</p>
	<p><a href="#">TOPENS CK1100 Sliding Gate Opener User Manual and Installation Guide</a></p> <p>Comprehensive user manual and installation guide for the TOPENS CK1100 automatic sliding gate opener, covering setup, operation, maintenance, and troubleshooting. Learn how to install, program, and maintain your gate opener for optimal performance and safety.</p>
	<p><a href="#">TOPENS LC1100 Sliding Gate Opener User's Manual</a></p> <p>Comprehensive user manual for the TOPENS LC1100 automatic sliding gate opener, detailing installation, safety precautions, technical specifications, operation, programming, and troubleshooting.</p>
	<p><a href="#">TOPENS BK800 Sliding Gate Opener User's Manual</a></p> <p>Comprehensive user manual for the TOPENS BK800 automatic sliding gate opener, covering installation, operation, safety, and maintenance. Learn how to install, program remotes, troubleshoot issues, and maintain your gate opener for optimal performance.</p>



[TOPENS RK700T Sliding Gate Opener Installation Manual](#)

Comprehensive installation manual for the TOPENS RK700T sliding gate opener, covering safety, setup, and operation for sliding gates.

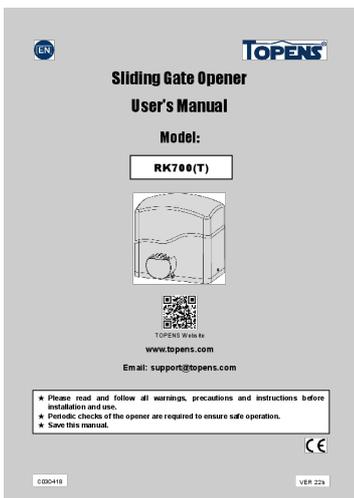
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[TOPENS RK700T Sliding Gate Opener Installation Manual](#)

Comprehensive installation manual for the TOPENS RK700T sliding gate opener, covering safety information, packing list, installation steps, specifications, and troubleshooting.

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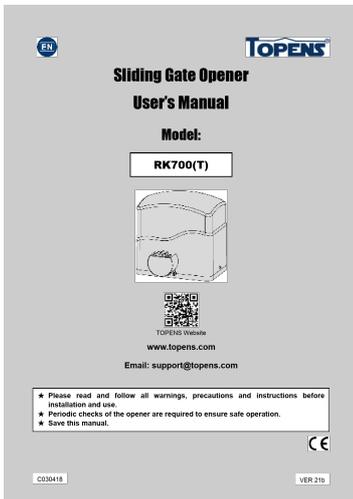
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### [TOPENS RK700T Sliding Gate Opener Installation Manual](#)

Detailed installation manual for the TOPENS RK700T automatic sliding gate opener. Covers safety, setup, specifications, accessories, and troubleshooting for reliable gate automation.

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