

TOPENS AT6131S

TOPENS AT6131S Solar Single Swing Gate Opener User Manual

MODEL: AT6131S

Brand: TOPENS

1. Introduction

The TOPENS AT6131S is a medium-duty automatic gate opener designed for single swing gates. It is capable of operating gates up to 660 lbs in weight or 18 ft in length. This system provides convenience and security for residential, commercial, courtyard, farm, and ranch applications. Its design emphasizes ease of use and reliable performance, with a built-in 24VDC 50W motor ensuring quiet operation.

A key feature of the AT6131S is its solar power capability, allowing operation without direct AC electricity. It includes 20W solar panels for charging the battery, making it an energy-efficient and environmentally friendly solution. The system also supports AC power for direct operation or battery charging.



Image: The TOPENS AT6131S gate opener is versatile and can be installed on various types of swing gates, including those made of steel, wood, vinyl, and shaped as panel, tube, or chain-link.

2. Product Components

The TOPENS AT6131S package includes all necessary components for installation and operation:

- 1 x Gate Opener Actuator (Arm) with a 5-foot 5-Conductor Cable
- 1 x UPS01 Uninterrupted Power Supply (IP65 Waterproof)
- 1 x Waterproof Control Box
- 2 x 10W 24V Solar Panels
- 2 x M12 Remote Control Transmitters
- 1 x Full Set of Required Installation Hardware



Image: Overview of the TOPENS AT6131S kit, showing the main gate opener arm, solar panels, control box, power supply, remote controls, and mounting hardware.

3. Setup & Installation

The AT6131S is designed for straightforward DIY installation. However, for optimal performance and safety, it is recommended to carefully follow the detailed instructions provided in the user manual. Common tools are sufficient for the installation process.

Power Modes:

The system offers flexible power options:

- **Solar Power:** Utilizes the included 20W solar panels to charge a 24V 12Ah automotive/marine type battery (not included). Two 12V batteries connected in series are required. This mode allows the gate opener to operate independently of AC electricity.
- **AC Power:** The gate motor can also be powered directly by 100-240VAC electricity.
- **Battery Backup:** Batteries can serve as the main or backup power source, ensuring operation during power outages.

Support All the Power Modes

— Flexible & Durable Ways for Your Selection



AC Electricity

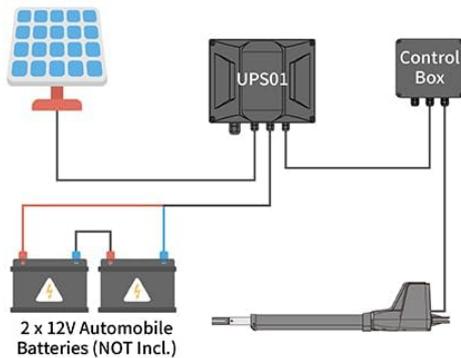


Battery

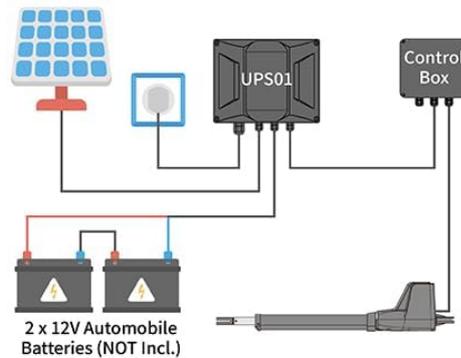


Solar Panels

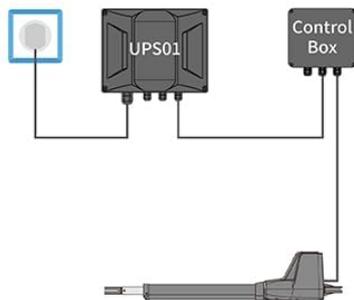
Power Mode 1 By Solar Panels and Batteries



Power Mode 2 By AC Electricity, Solar Panels and Back-up Batteries



Power Mode 3 Use AC Electricity Only



Power Mode 4 By AC Electricity and Back-up Batteries

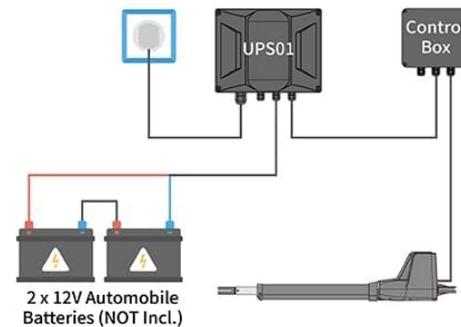


Image: Various power configurations for the gate opener, showing how solar panels, batteries, and AC power can be combined or used individually.

For detailed wiring diagrams and mounting instructions, please refer to the official user manual. It is crucial to ensure proper alignment and secure mounting of the gate opener arm and associated components for reliable operation.

While installation is designed to be user-friendly, some users have noted that setting up the system can be time-consuming. Watching supplementary video guides, such as those available on YouTube, can be beneficial for a smoother installation process.

4. Operating Instructions

The TOPENS AT6131S gate opener is operated using the included remote control transmitters. Simply pressing a button on the remote will initiate the gate's opening or closing sequence.

Key Operating Features:

- **Remote Control:** The system comes with M12 remote control transmitters for convenient operation from your vehicle or within range.
- **Soft Start and Soft Stop:** This feature protects the motor and extends its lifespan by gradually increasing and decreasing speed at the beginning and end of each cycle.
- **Auto-Close:** The gate can be programmed to automatically close after a set period, enhancing security.

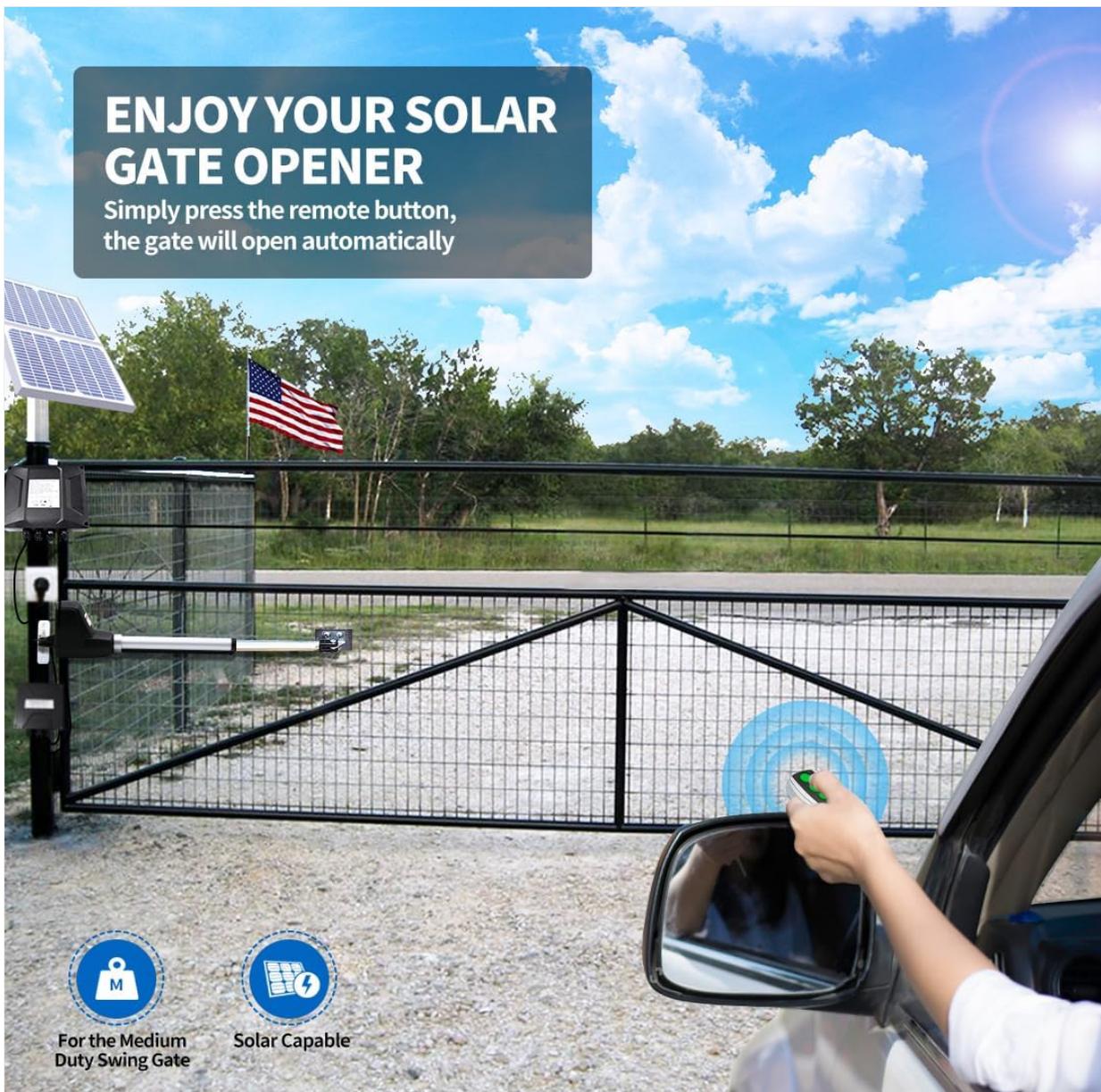


Image: A user operating the TOPENS gate opener with a remote control, demonstrating the ease of automatic gate access.

5. Safety Features

Safety is a priority in the design of the TOPENS AT6131S. The system incorporates several features to ensure secure and reliable operation:

- **Advanced TOPENS Code:** The remote controls utilize an advanced coding system to prevent unauthorized access, providing multiple layers of protection.
- **Electromagnetism Limit Switch:** This reliable switch allows for easy adjustment of the gate's open and close positions.
- **Safety Stop-and-Reverse:** In the event of an obstruction during opening or closing, the gate will automatically stop and reverse direction to prevent damage or injury.
- **Manual Release Key:** An included manual release key allows for manual operation of the gate during power outages or in other emergency situations.

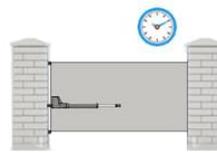
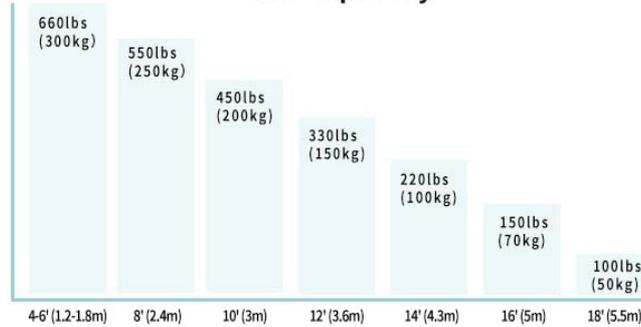
Why choose TOPENS ?

OVER 25 YEARS of experience specialized in gate automation industry, **TOPENS** has become one of the well-known and trusted consumer brands in North America.

Advanced technology to deliver safe, smart and reliable products, providing the **HIGH-QUALITY** gate openers & accessories with **LONG-LASTING** performance.

LIFE-TIME tech support. You will have an **EXCLUSIVE** customer support representative to assist you with all of your questions.

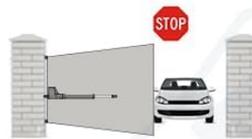
Gate Capability



Self-closing Setting



Soft Start & Soft Stop



Obstacle Adjusting



TOPENS Advanced Security Code



Gate Swing In
Pull-to-open Installation Mode



Gate Swing Out
Push-to-open Installation Mode

Image: Visual representation of key safety and operational features, including obstacle detection and advanced security protocols.

6. Maintenance

To ensure the longevity and optimal performance of your TOPENS AT6131S gate opener, regular maintenance is recommended:

- **Keep Solar Panels Clean:** Regularly wipe down the solar panels to remove dust, dirt, or debris that may hinder their efficiency in charging the batteries.
- **Check Battery Connections:** Periodically inspect the battery terminals and connections for corrosion or looseness. Ensure they are clean and secure.
- **Inspect Moving Parts:** Check the gate opener arm and gate hinges for any signs of wear, damage, or obstruction. Lubricate moving parts as recommended in the full user manual.
- **Clear Obstructions:** Ensure the gate path is clear of any obstacles that could interfere with its operation.

7. Troubleshooting

If you encounter any issues with your TOPENS AT6131S gate opener, consider the following general troubleshooting steps:

- **Power Supply:** Verify that the solar panels are receiving adequate sunlight and that the batteries are fully charged. If using AC power, ensure the connection is secure and there are no power interruptions.
- **Remote Control Range:** Some users have reported limited remote control range. Ensure there are no significant

obstructions between the remote and the receiver. Check battery in the remote.

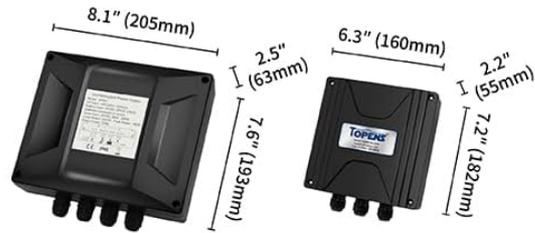
- **Obstructions:** Check the gate's path for any physical obstructions that might be triggering the safety stop-and-reverse feature.
- **Wiring:** Inspect all wiring connections to ensure they are properly secured and free from damage.
- **Refer to User Manual:** The comprehensive user manual provides detailed troubleshooting guides for specific error codes or operational anomalies.

For persistent issues, it is highly recommended to contact TOPENS customer support for professional assistance.

8. Specifications

Specification	Detail
Model Number	AT6131S
Gate Capability (Max)	660 lbs (weight) OR 18 ft (length)
Motor Voltage & Power	24VDC & 50W
Recommended Power Supply Mode	2 x 12V Battery (NOT Incl.) or 100-240VAC Electricity
Solar Compatible	Yes (2 x 10W 24V Solar Panels Incl.)
Item Weight	32.6 pounds
Product Dimensions	32.6 x 4.9 x 8.2 inches
Operating Temperature	0°F to 120°F
Noise Level	Less than 50dB

Dimensions



UPS01 Power Supply Control Box



Customer Support

Visit TOPENS website for the user manual & installation video. Enjoy our customized tech support service. Your exclusive customer support specialist will help you get professional & timely solution.

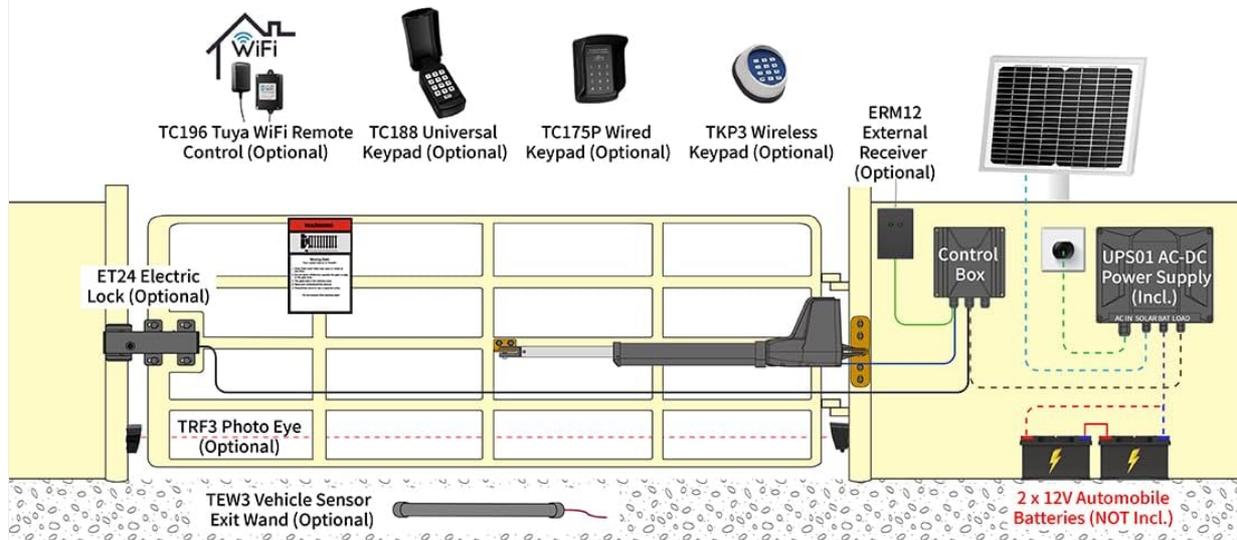


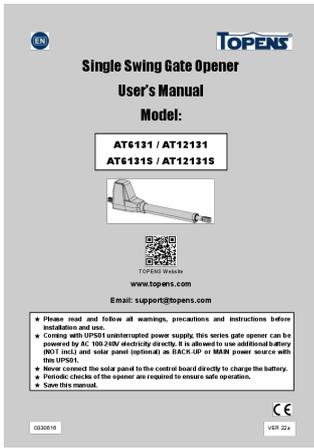
Image: Dimensional specifications of the gate opener components and information on customer support.

9. Warranty & Support

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

- **Warranty:** The TOPENS AT6131S comes with a 12-month warranty.
- **Returns & Exchange:** Customers are offered a 30-day exchange and return policy.
- **Technical Support:** TOPENS provides professional and timely technical support. For assistance, you can visit the TOPENS website to download the user manual, watch installation videos, or contact their specialists directly.

For the complete user manual, please refer to the official PDF document: [TOPENS AT6131S User Manual \(PDF\)](#).



[\[pdf\]](#) User Manual Instructions

sanfordtools TOPENS AT6131 S AT12131 Swing Gate Opener User Manual USER MANUAL v 1646202297 cdn shopify s files 1 0613 5427 9162 |||

Single Swing Gate Opener User s Manual Model: AT6131 / AT12131**AT6131S** / AT12131S TOPENS Website www.topens.com Email: support topens.com Please read and follow all warnings, precautions and instructions before installation and use. Coming with UPS01 uninterrupted power supply, this series gate o...

lang:en score:42 filesize: 3.74 M page_count: 29 document date: 2022-01-11



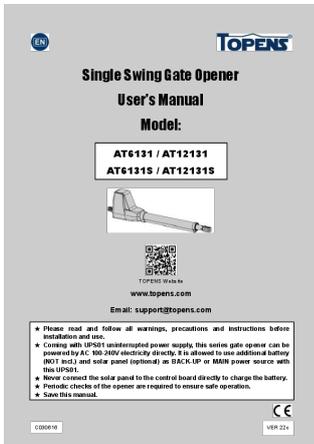
[\[pdf\]](#) User Manual Accessories

sanfordtools TOPENS Gate Opener and Accessory User Manual AT6131 S AT12131 Flügelantrieb

Bedienungsanleitung v 1673243740 cdn shopify s files 1 0613 5427 9162 |||

Einzelflügelantrieb Bedienungsanleitung Modell: AT6131 / AT12131**AT6131S** / AT12131S TOPENS Website www.topens.com Email: support topens.com Bitte lesen Sie die folgenden Warnungen, Vorsichtsmaßnahmen und Anweisungen, bevor Sie den Antrieb installieren oder verwenden. Mit dem unterbrechungsfreien...

lang:de score:38 filesize: 5.6 M page_count: 32 document date: 2022-03-23



[\[pdf\]](#) User Manual Instructions

TOPENS AT6131 S AT12131 Swing Gate Opener User Manual Single Heavy Duty Automatic Motor for Gates Up to 18ft Electric Driveway Operator AC Powered with Remote Control Kit Solar Compatible Amazon ca Tools Home Improvement B1uGrqmGWGL m media amazon images I |||

Single Swing Gate Opener User s Manual Model: AT6131 / AT12131**AT6131S** / AT12131S TOPENS Website www.topens.com Email: support topens.com Please read and follow all warnings, precautions and instructions before installation and use. Coming with UPS01 uninterrupted power supply, this series gate o...

lang:en score:36 filesize: 3.77 M page_count: 29 document date: 2022-11-09



[\[pdf\]](#) User Manual Accessories

TOPENS TEW3 Fahrzeugsensor Bedienungsanleitung asus Gate Opener and Accessory User Manual C030731 DE 221110 1722230206 cdn shopify s files 1 0613 5427 9162 |||

Fahrzeugsensor Anleitung fr Installation und Bedienung Artikel Nr.: TEW3 Adapterplatine 1 Stk. : * Nu fr einige Modellen von TOPENS Torantrieben ist erforderlich FAHRZEUGSENSOR mit 15 Meter 5-adrigem Kabel 1 Stk. Platine fr Reichweiteneinstellung 1 Stk. C030731 VER 22a Vielen Dank fr d...

lang:de score:31 filesize: 1.33 M page_count: 6 document date: 2024-07-29



[\[pdf\]](#) User Manual Instructions

TOPENS TEW3 Vehicle Sensor Exit Wand User Manual Kit Wired Driveway Gate Car Detector with 50 ft Cable Range Adjustment for Automatic Opener System Hands Free Probe Device Work Mighty Mule Tools Home Improvement B1EQTKQpAbL m media amazon images I |||

Exit Wand Installation and Operation Instructions Item NO.: TEW3 Adapter board 1 PC : *Only need to be used with some models of TOPENS gate opener Range adjustment board 1 PC WAND SENSOR with 50 feet 15 meters 5-core cable 1 PC 1 C030414 VER 22a Thank you for your purchasing of the EX...

lang:en score:28 filesize: 2.7 M page_count: 5 document date: 2022-11-10



[\[pdf\]](#) User Manual Warranty Borchure

22b 1 TOPENS Brochure v 1677720807 cdn shopifycdn net s files 0613 5427 9162 |||

www.topens.com support topens.com Tel: 1 888 750 9899 Toll Free USA Canada YOUR SMART GATE ... the package. Support all the TOPENS accessories. The 20W solar panel is ONLY included in AT12131S / AT6131S solar kit. Model Performance Gate Capability Motor Power Remote Incl. AT12131 S Heav...

lang:en score:25 filesize: 7.66 M page_count: 6 document date: 2022-11-08



[\[pdf\]](#) User Manual

sanfordtools Einzelflügelantrieb Bedienungsanleitung Modell 2023 04 28 — Bitte lesen Sie die folgenden Warnungen, Vorsichtsmaßnahmen und Anweisungen bevor den Antrieb installieren oder verwenden 32 puslapiai C1Xn3IQUZBL m media amazon images I |||

Einzelflügelantrieb Bedienungsanleitung Modell: AT6131 / AT12131 AT6131S / AT12131S TOPENS Website www.topens.com Email: support topens.com Bitte lesen Sie die folgenden Warnungen, Vorsichtsmaßnahmen und Anweisungen, bevor Sie den Antrieb installieren oder verwenden. Mit dem unterbrechungsfreien...

lang:de score:19 filesize: 5.44 M page_count: 32 document date: 2022-05-18



[\[pdf\]](#) User Manual Accessories

TOPENS Gate Opener and Accessory User Manual AT6131 S AT12131 EN 250108 v 2882855731925121257 topens cdn shop files MANUALAT12131 Swing Arm Motor TOPENSTOPENS ManualAT6131 2882855731925121257AT6131 2882855731925121257topens AT6131S Solar Single Medium Duty Automatic for Gates Up to 18ft Electric Driveway Operato AC Powered with Panel Remote Control Kit PanelMANUALAT6131S TOPENS B0D6R54TKB B09W4B9BSZ B09PDVW5RGAT12131 ManualD19XRYazqxLAT6131 2882855731925121257m media amazon images I D19XRYazqxLtopens ||| ||| 1 4 . 5 6 7 9 13 17 18 .19 .20 23 .24 25 .27 .

..... 1

 lang:i-klngon score:17 filesize: 12.91 M page_count: 52 document date: 2025-01-08



[\[pdf\] User Manual Installation Guide](#)

How to replace the limit switches of MK Installation Manual TOPENS ALS01 Limit Switch for A3 S A5 A8 AD5 AD8 PW302 PW502 PW802 A5131 A8131 A5132 A8132 AT6131 AT12131 AT6132S AT12132S AT602 AT1202 Swing Gate Opener Tool Home Improvement 91m8hgHtHHL m media amazon images I |||

Sealing Nut Step 1: Screw off the Sealing Nut. Aluminum Housing Rear Cover Step 2: Remove the Rear Cover and Aluminum Housing. Step 3: Unscrew the Front Cover. Upper Housing Step 4: Remove the Upper Housing. Step 5: Cut the glue. Step 6: Remove the screws of Limit Switches. Step 7: Loose...

lang:en score:15 filesize: 909.81 K page_count: 18 document date: 2016-06-06



[TOPENS AT6131/AT6131S & AT12131/AT12131S Torantrieb: Umfassende Installations- und Bedienungsanleitung](#)

Detaillierte Anleitung für TOPENS AT6131, AT6131S, AT12131, AT12131S Torantriebe. Enthält Installationsschritte, Sicherheitshinweise, technische Spezifikationen und Wartungstipps für automatische Toröffner.

lang:en score:14 filesize: 12.95 M page_count: 52 document date: 2025-08-07