

BFT Ares 1500 Ultra

BFT Ares 1500 Ultra 24V Automatic Sliding Door Motor User Manual

Model: Ares 1500 Ultra | Brand: BFT

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of the BFT Ares 1500 Ultra 24V Automatic Sliding Door Motor. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The BFT Ares 1500 Ultra is designed for automating sliding doors with a maximum weight capacity of 1500kg. It features a 24V motor, magnetic end switches, and a central display for configuration.

2. SAFETY INFORMATION

Important Safety Instructions:

- Ensure all electrical connections are performed by a qualified technician.
- Disconnect power before performing any maintenance or repair work.
- Keep children and pets away from the operating area of the door.
- Do not attempt to repair the motor if you are not qualified. Contact authorized service personnel.
- This product is designed for sliding doors up to 1500kg. Do not exceed this weight limit.

3. PRODUCT OVERVIEW

The BFT Ares 1500 Ultra motor is a robust solution for heavy-duty sliding gates. Key features include:

- 24V motor for reliable operation.
- Maximum load capacity of 1500kg.
- Door speed of approximately 9m/min.
- Magnetic end switches for precise stopping.
- Integrated central display for easy programming and diagnostics.
- D-Track electronic impact system for slow open/close reaction and enhanced safety.



Figure 1: Front view of the BFT Ares 1500 Ultra automatic sliding door motor. The image shows the dark grey casing with a red indicator light and a red access panel labeled "ULTRA" with a keyhole.

4. SETUP AND INSTALLATION

Installation should only be performed by qualified personnel in compliance with local regulations and safety standards.

1. **Mounting the Motor:** Securely mount the motor unit on a stable, level surface adjacent to the sliding door track. Ensure proper alignment with the door's rack.
2. **Electrical Connections:** Connect the 24V power supply and control wiring according to the wiring diagram provided in the full installation manual (not included here). Ensure all connections are tight and insulated.
3. **Limit Switch Adjustment:** Adjust the magnetic end switches to define the open and closed positions of the door.
4. **Rack Installation:** Install the gear rack securely to the sliding door, ensuring proper engagement with the motor's pinion gear.

Refer to the comprehensive installation guide for detailed wiring diagrams and mounting instructions.

5. OPERATING INSTRUCTIONS

Once installed and powered, the BFT Ares 1500 Ultra can be operated via its integrated control unit or external remote controls (if configured).

- **Initial Power-Up:** Upon first power-up, the system may perform an auto-calibration cycle to learn the door's travel limits.
- **Using the Control Panel:** The central display allows for programming various parameters, including opening/closing speed, pause time, and safety features. Navigate through menus using the integrated buttons.
- **Remote Control Operation:** If remote controls are paired, press the designated button to open, close, or stop the door.
- **Manual Release:** In case of power failure, the motor can be manually disengaged using the key-operated release mechanism located on the unit. Insert the key and turn to disengage the motor, allowing manual door movement.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your BFT Ares 1500 Ultra motor.

- **Monthly:**
 - Inspect the sliding door track and rack for debris or obstructions. Clean as necessary.
 - Check for smooth operation of the door.
 - Verify that safety features (e.g., photocells, D-Track system) are functioning correctly.
- **Annually:**
 - Lubricate moving parts of the door and motor (refer to specific lubricant recommendations in the full manual).
 - Inspect electrical connections for wear or corrosion.
 - Have a qualified technician perform a comprehensive system check.

Do not use abrasive cleaners or solvents on the motor casing.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Motor does not respond to commands.	No power supply; remote control battery flat; safety device activated.	Check power connection; replace remote battery; inspect safety sensors for obstructions.
Door stops unexpectedly during operation.	Obstruction detected by D-Track system; faulty limit switch.	Remove obstruction; check limit switch wiring and adjustment.
Door operates slowly or with difficulty.	Friction in door mechanism; low voltage; motor overload.	Lubricate door components; check power supply; reduce door friction.

If problems persist, contact BFT technical support or a qualified service technician.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	Ares 1500 Ultra
Brand	BFT
Motor Voltage	24V
Max Door Weight	1500 kg
Door Speed	9 m/min
Power Consumption	240W
End Switch Type	Magnetic
Item Weight	12 kg
Batteries Required	No
ASIN	B0733LLJJQ
First Available	16 Aug. 2020

9. WARRANTY AND SUPPORT




For warranty information, please refer to the documentation provided with your purchase or contact your authorized BFT dealer. Technical support can be obtained through your local BFT service center or by visiting the official BFT website.

Always provide your product model (Ares 1500 Ultra) and serial number when contacting support.

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Related Documents - Ares 1500 Ultra

	<p>BFT Deimos & Ares Gate Automation Systems - Product Catalog</p> <p>Explore the BFT Deimos and Ares series of electromechanical motors for sliding gates. Discover advanced features, technical specifications, and connectivity solutions like EasyAXS and U-Link.</p>
	<p>Manuale di Installazione e Uso BFT ARES: Attuatore per Cancelli Scorrevoli</p> <p>Guida completa all'installazione e all'uso dell'attuatore per cancelli scorrevoli BFT ARES. Scopri le funzionalità, i parametri e le istruzioni dettagliate per un funzionamento ottimale.</p>

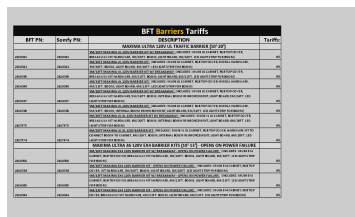
	<p>BFT Deimos Ultra BT A400/A600 Sliding Gate Actuator Installation Manual</p> <p>Installation and user manual for BFT Deimos Ultra BT A400 and A600 rack sliding gate actuators. Covers setup, programming, and operation for reliable gate automation.</p>
	<p>BFT Deimos Ultra BT A 400/A 600 Sliding Gate Operator Manual</p> <p>Installation and user manual for BFT Deimos Ultra BT A 400 and A 600 automatic sliding gate operators. Covers setup, operation, and programming for rack sliding gates.</p>
	<p>BFT DEIMOS ULTRA BT A 400/A 600 Sliding Gate Actuator Installation and User Manual</p> <p>Comprehensive guide for the installation, operation, and maintenance of BFT DEIMOS ULTRA BT A 400 and A 600 sliding gate actuators, including safety instructions, technical specifications, and programming details.</p>
	<p>GIOTTO BT A ULTRA 36 Electromechanical Barrier: Installation and User Manual</p> <p>Comprehensive installation and user manual for the BFT GIOTTO BT A ULTRA 36 electromechanical barrier system. Covers setup, wiring, operation, technical specifications, and troubleshooting.</p>



Manual BFT Ares 1500 Ultra BT A 120V Rack and Pinion Slide Gate Opener Fast 1650 Lbs P926192

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