

BFT BFT Deimos Ultra BT A600 Slide Kit

BFT Deimos Ultra BT A600 Slide Gate Opener Kit

MODEL: BFT DEIMOS ULTRA BT A600 SLIDE KIT

Brand: BFT

1. Product Overview

The BFT Deimos Ultra BT A600 Slide Gate Opener Kit is a high-performance automation system designed for residential sliding gates. This robust operator is engineered to handle gates weighing up to 800 lbs. and extending up to 75 ft. in length, providing smooth, reliable, and secure access control. Operating on a 120V system, it features a magnetic limit switch for precise gate positioning and quick installation.

This kit is built for intensive use, ensuring fast and efficient operation with a travel speed of 7.9 inches per second. It incorporates advanced safety features such as electronic torque limitation with D-Track technology, which detects obstacles and adjusts force accordingly, enhancing user safety. The Merak UL control unit offers a user-friendly programming display for straightforward setup and adjustments.

Designed for durability and weather resistance, the BFT Deimos Ultra BT A600 operates effectively in temperatures ranging from -4°F to 122°F and holds an IP44 protection rating. It is fully compliant with UL 325-2016 safety standards, making it a reliable and safe choice for automated gate entry solutions.

2. Safety Information

Always prioritize safety during installation, operation, and maintenance of the gate opener. Failure to follow safety instructions can result in serious injury or property damage.

- **Read the Manual:** Thoroughly read and understand the entire installation and user manual before beginning any work.
- **Qualified Personnel:** Installation and electrical connections should only be performed by qualified and authorized personnel.
- **Obstacle Detection:** The electronic torque limiter with D-Track technology is designed to detect obstacles. However, always ensure the gate path is clear before operation.
- **Emergency Stop:** Be familiar with the manual release lever for emergency gate operation during power failures.
- **UL 325-2016 Compliance:** This product is certified to UL 325-2016 safety standards. Ensure all safety devices (e.g., photo-cells, safety edges) are correctly installed and functioning.
- **Children and Pets:** Keep children and pets away from the gate area, especially during operation. Do not allow children to play with or operate the gate controls.

- **Power Disconnection:** Always disconnect power to the unit before performing any maintenance or service.



Figure 1: Complete BFT Deimos Ultra BT A600 Slide Gate Opener Kit with all components, including the main opener unit, nylon racks, transmitter, and installation hardware.

3. Package Contents

Verify that all components listed below are present and undamaged upon unpacking your BFT Deimos Ultra BT A600 Slide Gate Opener Kit:

- BFT Deimos Ultra BT A600 Slide Gate Opener (Main Unit)
- 5 x Nylon Gear Racks (for smooth and silent gate motion)
- 1 x MITTO Transmitter (Remote Control)
- Magnetic Limit Switch (for precise gate positioning)
- Merak UL Control Unit (integrated within the main unit, with display)
- Electronic Torque Limiter with D-Track Technology (integrated)

- Integrated Thermal Protection
- Manual Release Lever with Personalized Key
- Installation Manual
- Mounting Hardware (bolts, nuts, washers, etc.)

4. Setup and Installation

This section provides a general overview of the installation process. For detailed, step-by-step instructions, refer to the dedicated *Installation Manual* included in your kit.

1. **Mounting the Opener:** Securely mount the BFT Deimos Ultra BT A600 main unit on a stable, level surface adjacent to the gate. Ensure proper alignment with the gate's movement path.
2. **Installing Gear Racks:** Attach the nylon gear racks along the length of the sliding gate, ensuring they mesh correctly with the opener's pinion gear. The racks provide smooth and quiet operation.
3. **Electrical Connection:** Connect the opener to a 120V, 60 Hz single-phase power supply. All electrical work must comply with local codes and be performed by a licensed electrician. The unit has integrated thermal protection.
4. **Magnetic Limit Switch Setup:** Install the magnetic limit switches at the desired open and closed positions of the gate. These switches provide precise stopping points for the gate.
5. **Control Unit Programming:** Utilize the Merak UL control unit's display for initial setup and programming. This includes setting gate travel limits, force adjustments, and remote control pairing. The electronic torque limiter with D-Track technology will be calibrated during this process.
6. **Accessory Connection:** Connect any optional safety accessories such as photo-cells, safety edges, or external control devices as per the installation manual.



Figure 2: Close-up view of the BFT Deimos Ultra BT A600 main gate opener unit, highlighting its robust casing and manual release mechanism.

5. Operating Instructions

Once installed and programmed, the BFT Deimos Ultra BT A600 provides convenient and secure gate operation.

- **Remote Control Operation:** Use the included MITTO Transmitter to open or close the gate. Pressing the button will initiate the gate's movement.
- **Smooth Motion:** The system features soft-start and soft-stop motion, reducing wear and tear on the gate hardware and ensuring quiet operation.

- **Obstacle Detection:** The integrated D-Track technology continuously monitors the gate's force. If an obstacle is detected during closing, the gate will reverse. If an obstacle is detected during opening, the gate will stop.
- **Manual Release:** In case of a power outage or system malfunction, use the personalized key to activate the manual release lever. This allows you to open or close the gate manually. Refer to the installation manual for specific instructions on using the manual release.
- **Battery Backup (Optional):** The system is compatible with battery backup units (sold separately) to ensure continuous operation during power outages.
- **Smart Home Integration:** The BFT Deimos Ultra BT A600 is U-Link compatible, allowing for advanced automation setups and integration with compatible smart home systems.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your BFT Deimos Ultra BT A600 gate opener. This unit is designed for low maintenance, but periodic checks are recommended.

- **Cleanliness:** Keep the area around the gate opener and the gear racks clean and free from debris, leaves, and dirt.
- **Lubrication:** Periodically inspect the gear racks and pinion for wear and ensure they are adequately lubricated as per the installation manual's recommendations.
- **Hardware Check:** Annually check all mounting hardware, bolts, and electrical connections for tightness and signs of corrosion.
- **Safety Device Test:** Regularly test all safety devices, such as photo-cells and obstacle detection, to ensure they are functioning correctly.
- **Weather Protection:** The unit has an IP44 rating for weather resistance. However, ensure the casing is intact and free from cracks that could compromise its protection.

7. Troubleshooting

This section provides general guidance for common issues. For complex problems, consult the detailed troubleshooting guide in the full installation manual or contact technical support.

Problem	Possible Cause	Solution
Gate does not move.	No power; remote control battery low; safety device activated; manual release engaged.	Check power supply; replace remote battery; clear obstacles and check safety sensors; disengage manual release.
Gate stops or reverses unexpectedly.	Obstacle detected; limit switch misalignment; motor overheating.	Clear gate path; check and adjust limit switches; allow motor to cool down.
Remote control not working.	Battery dead; not paired; out of range.	Replace battery; re-pair remote with control unit; ensure you are within operating range.

If the issue persists after attempting these solutions, please contact BFT technical support or a qualified technician.

8. Technical Specifications

Feature	Specification
Gate Opener Type	Automatic Sliding Gate Operator

Feature	Specification
Max Gate Weight	800 lbs.
Max Gate Length	75 ft.
Control Panel	Merak UL (Integrated)
Power Supply	120V, 60 Hz Single-Phase
Absorbed Power	0.1 HP (70 W)
Thermal Protection	Integrated into the control unit
Opening Speed	7.9 inches per second
Output Rotational Speed	79 RPM
Pinion Pitch	4 mm (14 Teeth)
Impact Reaction	Electronic Torque Limiter (D-Track Technology)
Limit Switch Type	Magnetic
Manual Release	Lever-Operated with Personal Key
Usage Cycle	Intensive Use
Operating Temperature	-4°F to +122°F
Protection Rating	IP44
Safety Compliance	UL 325-2016
Product Dimensions	8 x 10 x 12 inches
Item Weight	75 pounds

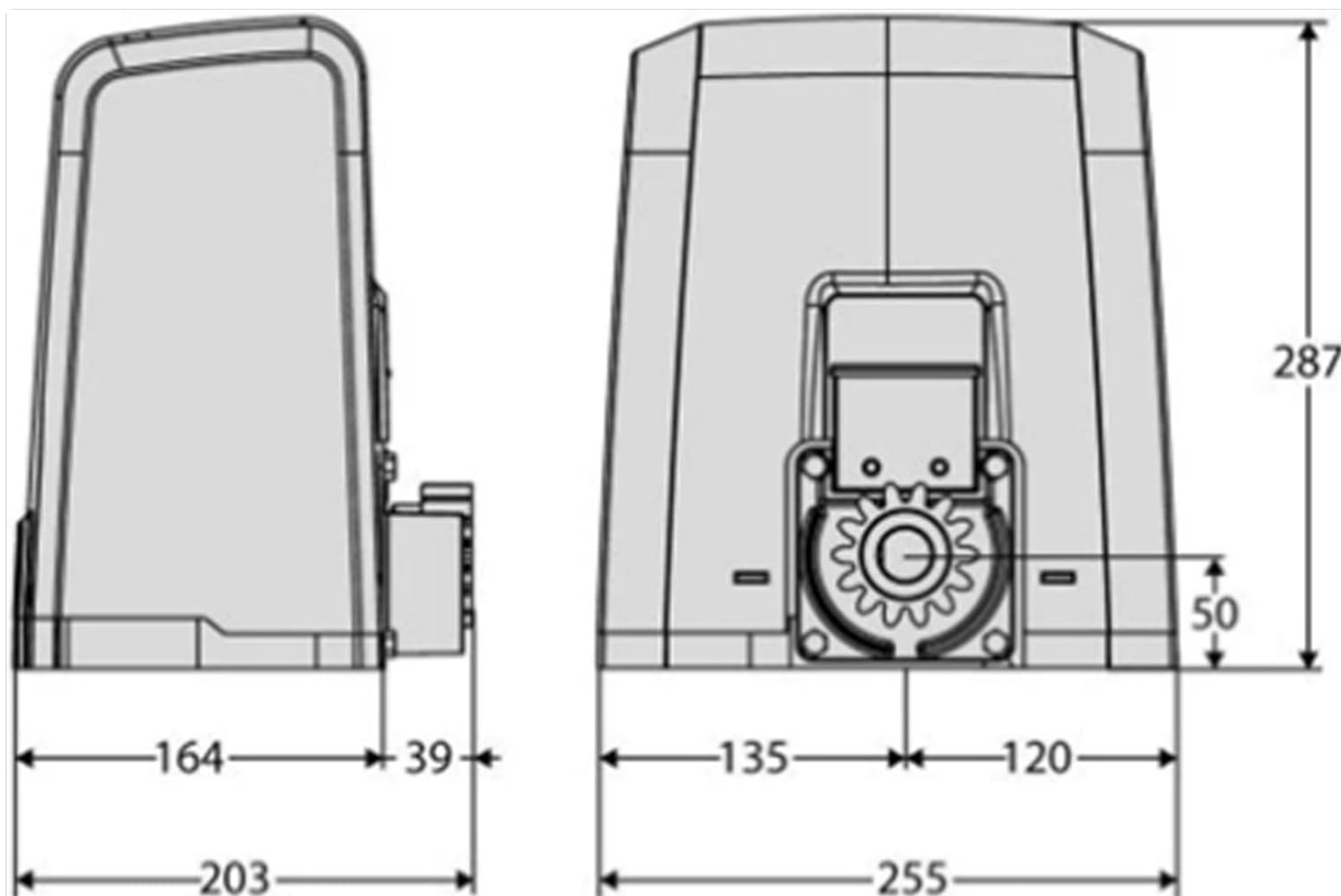


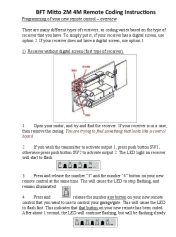




Figure 3: Dimensional drawing of the BFT Deimos Ultra BT A600 unit, showing key measurements in millimeters.

9. Warranty and Support

Manufacturer's Warranty: The BFT Deimos Ultra BT A600 Slide Gate Opener Kit comes with a 2-year manufacturer's warranty, covering defects in materials and workmanship under normal use.

Customer Support: For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact BFT customer support or the authorized dealer from whom you purchased the product. Refer to the contact information provided in your original purchase documentation or visit the official BFT website.

You can also find additional support and resources from your seller, "Gate Openers and more", who offers customer support for this product.

	<p>BFT Mitto 2M/4M Remote Coding Instructions: A Comprehensive Guide</p> <p>Learn how to program your BFT Mitto 2M and 4M remote controls for garage and gate openers. This guide covers coding for receivers with and without digital screens, including important safety warnings.</p>
	<p>BFT DEIMOS BT UL/CSA Electromechanical Gate Automation System</p> <p>Discover the BFT DEIMOS BT UL/CSA, an electromechanical automation system for rack sliding gates. Featuring smart technology, 24V safe operation, and simplified installation, this system enhances gate security and convenience. Explore its technical specifications and available accessories for residential and commercial applications.</p>
	<p>Išmanioji kiemo vartų automatika: Montavimo instrukcija DEIMOS ULTRA BT A600 / AC A600 MAG</p> <p>Montavimo instrukcija išmaniosios kiemo vartų automatikos DEIMOS ULTRA BT A600 ir DEIMOS AC A600 MAG su integruotu Wi-Fi moduliu ir padėties davikliais. Apima komponentų sąrašą, elektros pajungimo schemas, daviklių montavimą ir „Smart Life“ programėlės konfigūravimą.</p>
	<p>BFT DEIMOS ULTRA BT A 400/A 600: Manuale di Installazione e Uso</p> <p>Manuale completo per l'installazione e l'uso degli attuatori per cancelli scorrevoli BFT DEIMOS ULTRA BT A 400 e DEIMOS ULTRA BT A 600. Include guide dettagliate, schemi elettrici e configurazione dei parametri.</p>
	<p>Išmanioji kiemo vartų automatika BFT DEIMOS ULTRA BT A600 / AC A600 MAG: Montavimo instrukcija</p> <p>Išsami BFT DEIMOS ULTRA BT A600 ir DEIMOS AC A600 MAG išmaniųjų kiemo vartų automatikos sistemų su Wi-Fi moduliu ir padėties davikliais montavimo instrukcija. Apima pajungimo schemas, daviklių montavimą ir programėlės konfigūravimą.</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>

