

BENINCA Beninca Bull 424 FC KIT

Beninca Bull 424 FC Sliding Gate Opener

USER MANUAL

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Beninca Bull 424 FC Sliding Gate Opener. This chain-driven automation system is designed for residential sliding gates, supporting gates up to 800 lbs and 20 feet in length. Please read this manual thoroughly before proceeding with installation or operation.



Image 1.1: Overview of the Beninca Bull 424 FC Sliding Gate Opener kit, showing the main motor unit, control panel, two remote controls, and a set of safety photocells.

2. Safety Information

WARNING: Improper installation or use can cause serious injury or death. Always follow all safety instructions.

- Ensure all electrical connections are performed by a qualified electrician and comply with local electrical codes.
- Keep hands, feet, and clothing clear of the gate and opener mechanism during operation.
- Do not allow children to play with or operate the gate opener controls.
- Regularly inspect the gate and opener for signs of wear, damage, or misalignment.
- The photocell safety devices must be installed and maintained correctly to prevent entrapment.
- Disconnect power before performing any maintenance or repairs.

3. Package Contents

Verify that all components listed below are present in your package:

- Beninca Bull 424 FC motor base
- Control panel with built-in receiver
- 20 ft chain for sliding gates
- Two (2) TO.GO 2A garage opener remote controls
- Beninca PUPILLA.T true beam photocell set
- Installation hardware (bolts, screws, etc. - specific items may vary)

4. Setup and Installation

This section outlines the general steps for installing the Beninca Bull 424 FC. Refer to the detailed installation diagrams provided separately with your product for precise measurements and wiring instructions.

4.1 Site Preparation

Ensure the gate operates smoothly manually before installing the opener. The installation area for the motor base should be level and stable, capable of supporting the unit's weight (approximately 60 lbs).

4.2 Mounting the Motor Base

Securely mount the Beninca Bull 424 FC motor base to a concrete pad or suitable foundation. The unit dimensions are approximately 13 inches (W) x 10 inches (D) x 23 inches (H). Proper alignment with the gate's chain path is critical.

4.3 Chain Installation

Attach the provided 20 ft chain to the gate and route it through the motor's drive sprocket. Ensure the chain is taut but not overly tight, allowing for smooth movement without excessive friction. Adjust chain tension as needed.

4.4 Electrical Connections

Connect the motor to the control panel and provide power according to the wiring diagram. The control panel has a built-in receiver. All electrical work must comply with local regulations and be performed by a certified professional.

4.5 Photocell Installation

Install the Beninca PUPILLA.T true beam photocell set on opposite sides of the gate opening. These safety devices detect obstructions in the gate's path, preventing closure and enhancing safety. Ensure they are aligned correctly for reliable operation.

5. Operating Instructions

5.1 Remote Control Pairing

To pair the TO.GO 2A remote controls with the built-in receiver in the control panel, follow the specific programming instructions provided with the control panel documentation. Typically, this involves pressing a programming button on the control board and then a button on the remote.

5.2 Basic Gate Operation

Once paired, press a programmed button on the remote control to initiate gate movement. A single press will typically open or close the gate. Pressing again during movement will stop the gate. The system features adjustable speed settings for smooth movement.

5.3 Safety Features

The PUPILLA.T photocells will prevent the gate from closing if an obstruction is detected in its path. The gate will either stop or reverse direction, depending on the control panel's configuration. Test these safety features regularly.

6. Maintenance

Regular maintenance ensures the longevity and reliable operation of your gate opener. Perform these checks at least quarterly, or more frequently with heavy use.

- Clean the Motor Unit:** Keep the motor housing free from dirt, debris, and insects.
- Lubricate the Chain:** Apply a suitable lubricant to the drive chain to ensure smooth operation and prevent rust.
- Inspect Photocell Lenses:** Clean the lenses of the PUPILLA.T photocells to ensure clear beam transmission and reception.
- Check for Obstructions:** Ensure the gate's path is clear of any obstacles that could impede movement.
- Test Safety Features:** Periodically test the photocells and any other safety edges or sensors to confirm they are functioning correctly.
- Inspect Wiring:** Check all electrical wiring for signs of wear, damage, or loose connections.

7. Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, or if solutions do not resolve the issue, contact customer support.

Problem	Possible Cause	Solution
Gate does not move.	No power; remote not paired; safety device activated; motor overload.	Check power supply; re-pair remote; clear photocell path; allow motor to cool.
Gate stops unexpectedly.	Obstruction detected by photocells; gate friction; limit switch issue.	Clear obstruction; check gate for smooth manual movement; inspect limit switches.
Remote control not working.	Dead battery; out of range; not paired correctly.	Replace battery; move closer to receiver; re-pair remote.
Gate moves slowly or with difficulty.	Insufficient lubrication; gate friction; motor issue.	Lubricate chain and gate rollers; check gate alignment; consult technician.

8. Specifications

Feature	Detail
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Feature	Detail
Model	Beninca Bull 424 FC KIT
Gate Capacity	Up to 800 lbs (max tested), recommended 400 lbs for 16 ft gates
Gate Length	Up to 20 ft
Motor Type	Chain-driven
Motor Torque	12 Nm
Thrust	336 N
Adjustable Speed	1 ft/sec (Z17)
Daily Cycles	Up to 200 cycles
Unit Dimensions (W x D x H)	13" x 10" x 23"
Item Weight	60 pounds
Color	Black, Gray
Included Components	Motor base, Control panel with receiver, 20 ft chain, 2 TO.GO 2A Remotes, PUPILLA.T Photocell set

9. Warranty and Support

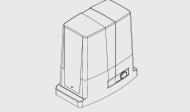
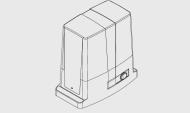
For product support, technical assistance, or warranty inquiries, please contact the seller or manufacturer directly. This product typically includes a 30-day easy return policy from the point of purchase. Retain your proof of purchase for all warranty claims.

For customer support, refer to the contact information provided by your retailer or visit the official BENINCA website.

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Related Documents

	<p><u>Benincà BULL Sliding Gate Operator Installation and User Manual</u></p> <p>Comprehensive manual for the Benincà BULL series of sliding gate operators, including installation instructions, technical specifications, safety guidelines, and maintenance information for BULL 10M, BULL 15M, and BULL 20M models.</p>
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<p>BULL 424 BULL 624</p>  <p>CE </p>	<p>Beninca BULL 424 & BULL 624 Sliding Gate Operator Manual</p> <p>Comprehensive installation, operation, and maintenance manual for the Beninca BULL 424 and BULL 624 sliding gate operators. Includes technical specifications, safety warnings, and parts diagrams.</p>
<p>BULL 5M - BULL 5M.S BULL 8M - BULL 8 M.S BULL 5 OM - BULL 5 OM.S BULL 8 OM - BULL 8 OM.S</p>  <p>CE </p>	<p>Beninca BULL 5M/8M Sliding Gate Operator Installation and User Manual</p> <p>This document provides comprehensive installation, operation, and maintenance instructions for the Beninca BULL 5M and 8M series sliding gate operators. It covers safety precautions, installation steps, manual operation, technical specifications, and troubleshooting.</p>
<p>BULL 1524 BULL 1524.S</p>  <p>CE </p>	<p>Beninca BULL 1524 & BULL 1524.S Automatic Gate Opener Installation and Programming Manual</p> <p>Comprehensive guide for the installation, programming, and maintenance of Beninca BULL 1524 and BULL 1524.S automatic gate openers. Includes technical data, safety instructions, wiring diagrams, and troubleshooting.</p>