

ThunderX3 XTC (GAGC-331)

THUNDERX3 XTC Ergonomic Office Chair Instruction Manual

Model: XTC (GAGC-331)

Brand: ThunderX3

INTRODUCTION

The ThunderX3 XTC Ergonomic Office Chair is engineered to provide superior comfort and support for extended periods of sitting. Its advanced design features a synchronous tilt mechanism, self-adjusting lumbar support, and breathable mesh material, all working together to adapt to your body and enhance your ergonomic experience. This manual provides detailed instructions for assembly, operation, maintenance, and troubleshooting to ensure you get the most out of your chair.

SAFETY INFORMATION

- **Maximum Weight Limit:** Do not exceed the maximum recommended weight of 275 lbs (125 kg). Exceeding this limit may cause damage to the chair or personal injury.
- **Proper Adjustment:** Always ensure that the tilt mechanism, armrests, and all other adjustable components are correctly set and locked before using the chair.
- **Assembly:** Follow all assembly instructions carefully. Incorrect assembly can lead to instability and potential injury.
- **Children and Pets:** Keep children and pets away from the chair during assembly. Small parts may pose a choking hazard.
- **Moving Parts:** Be aware of moving parts during adjustment to avoid pinching.

PACKAGE CONTENTS

Before beginning assembly, please verify that all components are present and undamaged. If any parts are missing or damaged, contact customer support immediately.

- XTC Ergonomic Chair Components (Backrest, Seat, Base, Casters, Gas Lift, Armrests, Headrest)

- Screw Kit (various screws, washers)
- Assembly Key (Allen wrench)
- Instruction Manual

ASSEMBLY INSTRUCTIONS

Assembly typically requires two people. Please follow these steps carefully.

1. **Attach Casters to Base:** Insert the five casters into the holes at the end of each leg of the chair base. Push firmly until they click into place.
2. **Insert Gas Lift:** Place the gas lift cylinder into the center hole of the chair base. Ensure it is seated securely.
3. **Assemble Mechanism to Seat:** Align the multi-functional mechanism with the pre-drilled holes on the underside of the seat cushion. Secure it using the provided screws and the assembly key. Ensure the front of the mechanism faces the front of the seat.
4. **Attach Armrests:** Secure the armrests to the sides of the seat cushion using the designated screws. Do not overtighten initially, allow for minor adjustments if needed.
5. **Connect Backrest to Seat:** Attach the backrest to the seat assembly. This usually involves aligning brackets and securing with screws.
6. **Attach Headrest:** Slide the headrest into its designated slot at the top of the backrest.
7. **Place Seat Assembly onto Gas Lift:** Carefully place the assembled seat and backrest onto the gas lift cylinder, ensuring it is centered and stable.
8. **Final Tightening:** Once the chair is fully assembled and stable, go back and securely tighten all screws.

OPERATING AND ADJUSTMENTS

The THUNDERX3 XTC chair features a SYNC5 multi-functional mechanism, offering 5-way adjustability for personalized comfort. Familiarize yourself with these adjustments to optimize your seating posture.



Image: The THUNDERX3 XTC chair highlighting its SYNC5 Multi-Functional Mechanism, which allows for 5-way adjustability for height, depth, angle, resistance, and tilt.

1. Chair Height Adjustment

To adjust the chair height, locate the lever on the right side, beneath the seat. While seated, pull the lever up to lower the chair. To raise the chair, stand up slightly and pull the lever up. Release the lever at the desired height.

2. Synchronous Tilt and Lock

The SYNC5 mechanism allows the backrest and seat to recline simultaneously, providing continuous support for your spine. To engage the tilt, pull the lever on the left side, beneath the seat. To lock the tilt at a desired angle, push the lever back down. The chair offers a tilt range from 90° to 135°.



Image: A user demonstrating the synchronous tilt feature of the THUNDERX3 XTC chair, where the backrest and seat recline together for ergonomic support.

3. Self-Adjusting Lumbar Support

The XTC chair features self-adjusting lumbar support that automatically adapts to your movements, providing optimal spinal alignment and reducing tension. No manual adjustment is typically required for this feature.

SYNCHRONOUS TILT

Simply lean back to recline the backrest and seat simultaneously. This provides support for the natural curvature of the spine at different angles, delivering a more comfortable and ergonomic sitting experience.



Image: Diagram illustrating the self-adjusting backrest and lumbar support system of the THUNDERX3 XTC chair, designed to adapt to body movements for spinal alignment.

4. Adjustable Headrest

The headrest is bidirectional, allowing for height and angle adjustments. Gently push or pull the headrest to move it up or down, and tilt it forward or backward to find your preferred position for neck and head support.

SELF-ADJUSTING BACKREST & LUMBAR SUPPORT SUPPORTING YOUR SPINE IN SECTIONS

XTC adjusts itself to your sitting position and body shape. When you're leaning back in chill mode, we designed the lumbar support cradle your lower back and keep your body tension-free.



Image: The THUNDERX3 XTC chair showcasing its 2D adjustable headrest and 3D armrests, providing comprehensive support for the neck, arms, and shoulders.

5. 3D Adjustable Armrests

The armrests can be adjusted in three dimensions: height, forward/backward, and inside/outside angle. Use the buttons or levers on the armrests to unlock and adjust them to your desired position. This allows for optimal support for your arms and shoulders.

6. Seat Depth Adjustment

To adjust the seat depth, locate the lever or button, typically on the left side of the seat. While seated, pull the lever/button and slide the seat forward or backward. Release the lever/button to lock the seat in place. This allows for proper thigh support.

MAINTENANCE

Regular maintenance will prolong the life and appearance of your THUNDERX3 XTC chair.

- **Cleaning the Mesh:** The breathable mesh material can be cleaned with a soft cloth dampened with mild soap and water. Avoid harsh chemicals or abrasive cleaners. Allow to air dry completely.
- **Frame Cleaning:** Wipe down the chair frame and plastic components with a soft, damp cloth.
- **Caster Maintenance:** Periodically check the casters for hair or debris buildup. Clean them as needed to ensure smooth rolling.
- **Tighten Screws:** Every few months, check all screws and bolts and tighten them if necessary to maintain stability.

MULTI-FUNCTIONAL SYNC5 MECHANISM

FIVE LEVELS OF FINE-TUNED COMFORT

All new ThunderX3 chairs are built with SYNC multi-functional mechanism that allows for multiple adjustment options for superior ergonomics.

Adjust your chair to fit your individual body shape, size, and posture. XTC is built with SYNC5, a multi-functional mechanism that allows for 5-way adjustability.



Mechanism	Tilt Control (Butterfly)	Multi-Lock (Frog)	SYNC5
Tilt	Swivel tilt	Knee tilt	Synchronous tilt
Lock	Single	Multi-angle	Multi-angle
Adjustable Backrest Resistance	Knob	Knob	Self-adjusting
Adjustable Seat	Up & down	Up & down	Up & down Front & back

Image: A close-up view of the breathable mesh material on the THUNDERX3 XTC chair, designed for cooling comfort and airflow.

TROUBLESHOOTING

If you encounter any issues with your THUNDERX3 XTC chair, refer to the following common problems and

solutions:

- **Chair Squeaks:**
Solution: Check and tighten all screws. Apply a small amount of silicone lubricant to moving parts, especially where metal components meet.
- **Chair Does Not Adjust Height:**
Solution: Ensure the gas lift lever is fully engaged. If the issue persists, the gas lift cylinder may need replacement. Contact customer support.
- **Casters Not Rolling Smoothly:**
Solution: Remove any hair, dust, or debris from the caster wheels. Ensure casters are fully inserted into the base.
- **Backrest Does Not Recline/Lock:**
Solution: Check the tilt lock lever. Ensure it is in the correct position for reclining or locking. Verify that no obstructions are preventing movement.
- **Chair Feels Unstable:**
Solution: Re-check all assembly screws and ensure they are securely tightened. Verify that the gas lift is properly seated in the base.

SPECIFICATIONS

Feature	Detail
Brand	ThunderX3
Model Name	XTC (GAGC-331)
Color	Breathable Mesh, Black
Product Dimensions (D x W x H)	27.56" x 26.77" x 49.61" (70 cm x 68 cm x 118-126 cm)
Maximum Weight Recommendation	275 lbs (125 kg)
Back Style	Mesh Backrest
Special Features	Arm Rest, Ergonomic, Rolling, Synchronous Tilt, Self-Adjusting Lumbar Support
Arm Style	3D Fit Adjustable
Seat Height	Adjustable (up to 56 cm)
Seat Depth	Adjustable (up to 20.47 inches)
Fill Material	Foam
Item Weight	58.3 pounds
Assembly Required	Yes

WARRANTY AND SUPPORT

Warranty Information

For specific warranty details regarding your THUNDERX3 XTC Ergonomic Office Chair, please refer to the warranty card included with your purchase or visit the official ThunderX3 website. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

Customer Support

If you require assistance with assembly, have questions about product features, or need to report a defect, please contact ThunderX3 customer support. Contact information can usually be found on the ThunderX3 website or your purchase documentation.

Online Resources: For additional support, FAQs, and product registration, please visit the official [ThunderX3 website](#).