

Castle CX100

CastleX CX100 Breath Box User Manual

Model: CX100

INTRODUCTION

The CastleX CX100 Breath Box is an essential accessory designed to enhance comfort and visibility within your CastleX CX100 helmet, particularly in cold weather conditions. It works by directing exhaled breath away from the helmet's visor, significantly reducing fogging and maintaining clear vision. This manual provides detailed instructions for proper installation, usage, and maintenance to ensure optimal performance and longevity of your breath box.

SETUP AND INSTALLATION

Follow these steps to correctly install the CX100 Breath Box into your CastleX CX100 helmet:

- 1. Prepare Your Helmet:** Ensure your CastleX CX100 helmet is clean and free of debris. Open the visor fully.
- 2. Identify Attachment Points:** The CX100 Breath Box is designed with specific attachment tabs or slots that align with corresponding points inside your CastleX CX100 helmet. Carefully examine the breath box and the interior of your helmet to locate these points.
- 3. Position the Breath Box:** Gently slide the breath box into position, ensuring the nose and mouth area of the breath box aligns with your face. The top edge of the breath box should sit snugly against the helmet's brow area.
- 4. Secure the Tabs:** Insert the attachment tabs of the breath box into the designated slots or under the helmet's liner. Apply gentle, even pressure until the breath box is securely seated and does not shift easily. Some models may use a hook-and-loop (Velcro) system; ensure these are firmly pressed together.
- 5. Check for Fit:** Once installed, try on your helmet. The breath box should feel comfortable and not obstruct your vision or breathing. Adjust its position slightly if necessary to achieve a snug and effective seal around your nose and mouth.



Image: Front view of the CastleX CX100 Breath Box. This image illustrates the general shape and design of the breath box, which is inserted into the helmet to prevent fogging.

OPERATION AND USAGE

Once installed, the CastleX CX100 Breath Box operates automatically by channeling your breath. To maximize its effectiveness:

- **Proper Fit:** Ensure the breath box forms a good seal around your nose and mouth. A proper seal is crucial for directing breath away from the visor.
- **Helmet Ventilation:** While the breath box significantly reduces fogging, utilizing your helmet's ventilation systems (vents on the chin bar, forehead, and exhaust vents) can further improve airflow and comfort, especially during strenuous activity.
- **Cold Weather Performance:** The breath box is particularly effective in cold and humid conditions where fogging is most prevalent.

CARE AND MAINTENANCE

Regular cleaning and proper care will extend the life of your CastleX CX100 Breath Box:

- **Cleaning:**
 - Remove the breath box from the helmet.
 - Gently hand wash with mild soap (e.g., dish soap) and lukewarm water.
 - Rinse thoroughly to remove all soap residue.
 - Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the material.
- **Drying:** Allow the breath box to air dry completely before re-installing it into your helmet. Do not use direct heat sources like hair dryers, as this can deform the material.
- **Storage:** When not in use, store the breath box in a clean, dry place away from direct sunlight and extreme

temperatures.

- **Inspection:** Periodically inspect the breath box for any signs of wear, tear, or damage. Replace if necessary to maintain optimal performance.

TROUBLESHOOTING

If you experience issues with your CastleX CX100 Breath Box, consider the following:

- **Persistent Fogging:**
 - **Check Installation:** Ensure the breath box is installed correctly and securely, forming a tight seal around your nose and mouth.
 - **Helmet Ventilation:** Verify that your helmet's vents are open and clear, allowing for proper airflow.
 - **Visor Condition:** Ensure your helmet visor is clean and free of scratches that might impede visibility. Consider using an anti-fog treatment on the visor if issues persist in extreme conditions.
- **Discomfort or Improper Fit:**
 - **Re-adjust:** Remove and re-install the breath box, paying close attention to its positioning.
 - **Helmet Compatibility:** Confirm that your helmet is a CastleX CX100 model, as this breath box is specifically designed for it.

SPECIFICATIONS

Attribute	Detail
Brand	Castle
Model Number	CX100 (Manufacturer Part Number: 37709)
Color	Black
Age Range (Description)	Adult
Size	One Size
Outer Material	Polycarbonate (PC)
Inner Material	Polycarbonate
Item Dimensions (L x W x H)	9.5 x 4.5 x 4.5 inches
Item Weight	2.56 ounces (0.16 Pounds)
UPC	008061214725

WARRANTY AND SUPPORT

For warranty information or technical support regarding your CastleX CX100 Breath Box, please refer to the official CastleX website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Castle X

Website: [Visit the CastleX Store on Amazon](#) (for general brand information)

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This manual is for informational purposes only. Specifications are subject to change without notice.