

## Canton AS 85.2 SC

# Canton AS 85.2 SC Active Subwoofer User Manual

Model: AS 85.2 SC | Brand: Canton

## INTRODUCTION

The Canton AS 85.2 SC is an active subwoofer system designed to provide impressive bass reproduction for both music and home theater applications. This manual provides essential information for the safe and optimal use of your subwoofer, including setup, operation, and maintenance guidelines.

## SAFETY INSTRUCTIONS

- Read all instructions before operating the device.
- Keep the manual for future reference.
- Do not expose the subwoofer to rain or moisture.
- Ensure proper ventilation; do not block any ventilation openings.
- Place the subwoofer on a stable, level surface.
- Disconnect the power cord during lightning storms or when unused for long periods.
- Refer all servicing to qualified service personnel.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- Canton AS 85.2 SC Active Bass-Reflex Subwoofer (White)
- Power Cable
- User Manual (this document)

## PRODUCT OVERVIEW

The Canton AS 85.2 SC is a direct projector subwoofer, designed to deliver powerful and precise bass directly into

the listening area. It features a 220mm aluminum driver and a front-firing Bassreflex port.

### **Key Features:**

- Active Bass-Reflex System
- Nominal/Music Power: 200 W / 250 W
- Adjustable Phase Control
- Adjustable Crossover Frequency (55-200 Hz)
- Adjustable Bass Level
- SC Technology for optimized sound.



*Figure 1: Front view of the Canton AS 85.2 SC Active Subwoofer. This image shows the compact design and the front-firing driver and Bassreflex port.*

## SETUP AND INSTALLATION

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### Placement:

Due to the human ear's difficulty in localizing low-frequency sound waves below 80 Hz, the subwoofer offers flexible placement options within your living space. For optimal sound, consider the following:

- **Central Installation:** Ideally, place the subwoofer between your two front speakers.

- **Distance from Walls/Corners:** Avoid placing the subwoofer directly against a wall or in a corner, as this can lead to boomy and imprecise bass reproduction. Maintain an optimal distance of 30 to 50 cm (approximately 12 to 20 inches) from walls. Free-standing placement in the room is also acceptable.

## Connections:

Connect the subwoofer to your audio system using appropriate RCA or speaker wire connections. Ensure all connections are secure before powering on the device.

- **Power Connection:** Plug the power cable into the subwoofer's power input and then into a suitable wall outlet.
- **Audio Input:** Connect the audio output from your amplifier or AV receiver to the subwoofer's input. The subwoofer supports RCA and speaker wire protocols.

## OPERATION

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### Initial Power-On:

After connecting all cables, switch on your audio system and then the subwoofer. The subwoofer typically has an auto-on/off feature that activates it when an audio signal is detected.

### Adjustments:

The Canton AS 85.2 SC offers several adjustments to integrate it seamlessly into your audio environment:

- **Crossover Frequency:** Adjust the crossover frequency between 55 and 200 Hz to blend the subwoofer's output with your main speakers. Start with a setting slightly above your main speakers' lowest frequency response.
- **Phase Adjustment:** Use the phase control to ensure the subwoofer's output is in phase with your main speakers, preventing cancellation or reinforcement issues. Experiment with 0° and 180° settings to find the most coherent bass.
- **Bass Level:** Adjust the bass level to achieve the desired impact without overpowering the rest of your audio system.

### Break-in Period:

To achieve optimal sound performance, the manufacturer recommends a break-in period of 15 to 20 hours of operation at normal volume. During this period, avoid extremely high-level peaks and use various music materials to allow the driver components to settle.

## MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the subwoofer's cabinet. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure that the ventilation openings are clear of dust and debris to prevent overheating.
- **Storage:** If storing the subwoofer for an extended period, disconnect it from power and store it in a cool, dry place.

## TROUBLESHOOTING

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If you experience issues with your Canton AS 85.2 SC subwoofer, refer to the following common troubleshooting steps:

- **No Power:**

- Check if the power cable is securely connected to both the subwoofer and the wall outlet.
  - Verify that the wall outlet is functional by plugging in another device.
  - Ensure the subwoofer's power switch is in the "ON" position.
- **No Sound:**
    - Check all audio connections between the subwoofer and your amplifier/receiver.
    - Ensure the subwoofer's volume/level control is not set to minimum.
    - Verify that your amplifier/receiver is sending a signal to the subwoofer output.
    - Adjust the crossover frequency; if set too low, the subwoofer may not produce audible sound with certain content.
- **Distorted or Boomy Bass:**
    - Adjust the bass level control on the subwoofer or your receiver.
    - Experiment with the phase control (0° or 180°).
    - Relocate the subwoofer, ensuring it is not too close to walls or corners (refer to Placement section).
    - Check for any loose objects near the subwoofer that might be rattling.

If the problem persists after trying these steps, contact Canton customer support or a qualified service technician.

## SPECIFICATIONS

<b>Model Number</b>	AS 85.2 SC
<b>Type</b>	Active Bass-Reflex Subwoofer System
<b>Nominal/Music Power</b>	200 W / 250 W
<b>Frequency Response</b>	25 Hz - 200 Hz
<b>Adjustable Crossover Frequency</b>	55 Hz - 200 Hz
<b>Driver Size</b>	220 mm (Aluminum)
<b>Connectivity Technology</b>	Wired (RCA, Speaker Wire)
<b>Audio Output Mode</b>	Mono
<b>Material</b>	Plastic or Metal (Cabinet)
<b>Color</b>	White
<b>Dimensions (L x W x H)</b>	44.96 x 25.4 x 37.08 cm (17.7 x 10 x 14.6 inches)
<b>Weight</b>	24 kg (52.91 lbs)
<b>Special Feature</b>	SC Technology, Phase Adjustment

*Note: Specifications are subject to change without notice.*

## WARRANTY AND SUPPORT

The Canton AS 85.2 SC Active Subwoofer comes with a limited warranty. Please refer to the warranty card

included with your product for specific terms and conditions. For technical support, service, or warranty claims, please contact Canton customer service through their official website or authorized distributors. For the most up-to-date support information, visit the official Canton website: [www.canton.de](http://www.canton.de)