

RCF ART945-A

RCF Art 945-A Powered Speaker User Manual

Model: ART945-A | Brand: RCF

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your RCF Art 945-A Powered Speaker. Please read this manual thoroughly before using the product and retain it for future reference. The RCF Art 945-A is a high-performance, bi-amplified active speaker designed for professional audio applications, featuring a 15-inch neodymium woofer and a 4-inch titanium/neodymium compression driver, delivering 2,100W of power.

2. SAFETY INFORMATION

Important Safety Instructions:

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.

- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Caution: To prevent electrical shock, do not remove the cover. No user-serviceable parts inside. Refer servicing to qualified personnel.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- RCF Art 945-A Powered Speaker
- Power Cable
- Vertical mount bracket
- Pole mount
- Rain protection
- User Manual (this document)

4. PRODUCT OVERVIEW



Figure 4.1: Front-side view of the RCF Art 945-A Powered Speaker. This image displays the speaker's robust black polypropylene composite

enclosure, the protective metal grille covering the 15-inch woofer and 4-inch compression driver, and the RCF logo prominently displayed at the bottom center of the grille. The integrated side handle is also visible.



Figure 4.2: Rear panel of the RCF Art 945-A Powered Speaker. This view highlights the input/output connections, power inlet, and control section, including the volume knob and preset buttons. The 'Made in Italy' inscription is also visible.



Figure 4.3: Close-up of the RCF Art 945-A control panel. This detailed image shows the Balanced Input/Link XLR connectors, the PRESETS button with LED indicators for LINEAR, BOOST, and STAGE modes, the VOLUME knob, and LED indicators for OVERLOAD and SIGNAL. A 'CAUTION' warning label is also visible.

warning regarding electrical shock is also visible.



Figure 4.4: Bottom view of the RCF Art 945-A Powered Speaker. This image clearly shows the integrated pole mount socket, allowing the speaker to be mounted on a standard speaker stand or pole. The four rubber feet for stable placement are also visible.



Figure 4.5: Close-up of the RCF Art 945-A power input section. This image displays the Powercon TRUE1 connectors for secure power input and link-through, along with voltage setup information (230V shown) and power consumption details. The 'Made in Italy' text is also visible.

4.1. Rear Panel Controls and Connections

1. **BALANCED INPUT/LINK (XLR):** XLR input for audio signal and XLR link output to connect to another speaker.
2. **PRESETS Button:** Cycles through different DSP presets (LINEAR, BOOST, STAGE) to optimize sound for various applications.
3. **LINEAR LED:** Indicates the 'Linear' preset is active, providing a flat frequency response.
4. **BOOST LED:** Indicates the 'Boost' preset is active, enhancing bass and treble frequencies.
5. **STAGE LED:** Indicates the 'Stage' preset is active, optimized for stage monitoring applications.
6. **VOLUME Knob:** Adjusts the overall output level of the speaker.
7. **OVERLOAD LED:** Illuminates when the input signal is too high, indicating potential clipping. Reduce input

level if this LED lights up consistently.

8. **SIGNAL LED:** Illuminates when an audio signal is present at the input.
9. **POWERCON TRUE1 Input:** Secure power connector for AC mains input.
10. **POWERCON TRUE1 Link:** Power output to link power to another speaker.

5. SETUP

5.1. Placement

The RCF Art 945-A speaker can be used in various configurations:

- **Pole Mounting:** Insert the speaker onto a standard 35mm speaker pole or tripod stand using the integrated pole mount socket on the bottom of the speaker. Ensure the stand is stable and rated for the speaker's weight (approximately 49.3 lbs / 22.4 kg).
- **Floor Placement:** The speaker can be placed directly on a flat, stable surface. The rubber feet on the bottom provide stability and isolation.
- **Stage Monitor:** The cabinet design allows for use as a stage monitor. Position the speaker on its side with the appropriate angle for monitoring.
- **Wall Mounting:** Utilize the provided vertical mount bracket for secure wall installation. Ensure the wall structure can support the speaker's weight.

5.2. Power Connection

1. Ensure the speaker's VOLUME knob is set to minimum (fully counter-clockwise).
2. Connect the supplied Powercon TRUE1 power cable to the POWERCON TRUE1 Input on the rear panel of the speaker.
3. Connect the other end of the power cable to a suitable AC mains outlet. Verify that the voltage matches the speaker's requirements (e.g., 100-120V or 220-240V).
4. If linking power to another speaker, use a Powercon TRUE1 link cable from the POWERCON TRUE1 Link output to the input of the next speaker.

5.3. Audio Connections

1. Connect your audio source (e.g., mixer, audio interface) to the BALANCED INPUT (XLR) on the rear panel using a balanced XLR cable.
2. If connecting multiple speakers in a daisy chain, use an XLR cable from the BALANCED LINK output of the first speaker to the input of the next speaker.

6. OPERATING

6.1. Powering On/Off

1. Before powering on, ensure all connections are secure and the VOLUME knob is at its minimum setting.
2. Locate the power switch (typically near the power input) and switch it to the 'ON' position. The power LED

on the front of the speaker will illuminate.

3. To power off, set the VOLUME knob to minimum, then switch the power switch to 'OFF'.

6.2. Volume Control

The VOLUME knob on the rear panel controls the output level of the speaker. Slowly turn the knob clockwise to increase the volume to the desired level. Monitor the OVERLOAD LED to prevent clipping.

6.3. Preset Selection

The PRESETS button allows you to select between three different DSP modes:

- **LINEAR:** Provides a flat frequency response, suitable for general sound reinforcement where a neutral sound is desired.
- **BOOST:** Enhances low and high frequencies, often used for music playback or when a more pronounced bass and treble response is needed.
- **STAGE:** Optimized for use as a stage monitor, providing clarity and feedback suppression for performers.

Press the PRESETS button repeatedly to cycle through these modes. The corresponding LED (LINEAR, BOOST, or STAGE) will illuminate to indicate the active preset.

6.4. Signal and Overload Indicators

- **SIGNAL LED:** This green LED illuminates when an audio signal is detected at the input. It indicates that the speaker is receiving an audio signal.
- **OVERLOAD LED:** This red LED illuminates when the input signal level is too high, causing the amplifier to clip. If this LED lights up frequently or stays on, reduce the input level from your source or the speaker's VOLUME knob to prevent distortion and potential damage.

7. MAINTENANCE

7.1. Cleaning

To maintain the appearance and performance of your speaker:

- Disconnect the speaker from the power supply before cleaning.
- Use a soft, dry cloth to wipe down the cabinet.
- For stubborn dirt, a slightly damp cloth with mild soap can be used, followed by a dry cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- Keep the grille free of dust and debris to ensure proper sound dispersion.

7.2. Storage

When not in use for extended periods:

- Store the speaker in a cool, dry place, away from direct sunlight and extreme temperatures.
- If possible, use the original packaging or a protective cover to shield the speaker from dust and physical damage.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your RCF Art 945-A speaker.

Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none">• No power to the speaker• Volume knob set to minimum• No audio signal input• Faulty cable connection	<ul style="list-style-type: none">• Check power cable and outlet. Ensure power switch is ON.• Increase the VOLUME knob.• Verify audio source is playing and connected correctly.• Check XLR cables for damage or improper connection.
Distorted sound / OVERLOAD LED on	<ul style="list-style-type: none">• Input signal too high• Speaker volume too high	<ul style="list-style-type: none">• Reduce the output level from your audio source (mixer, etc.).• Decrease the speaker's VOLUME knob.
Humming or buzzing noise	<ul style="list-style-type: none">• Ground loop issue• Faulty cable• Interference from other electronics	<ul style="list-style-type: none">• Ensure all equipment is on the same electrical circuit or use a ground loop isolator.• Try a different XLR cable.• Move speaker or cables away from power transformers or other electronic devices.
Speaker not turning on	<ul style="list-style-type: none">• No power supply• Blown fuse (internal)	<ul style="list-style-type: none">• Check power cable, outlet, and power switch.• If power is confirmed, contact qualified service personnel. Do not attempt to replace internal fuses yourself.

If the problem persists after attempting these solutions, please contact RCF customer support or a qualified service technician.

9. SPECIFICATIONS

The following table outlines the technical specifications for the RCF Art 945-A Powered Speaker:

Feature	Specification
Model Name	13000691

Feature	Specification
Item Model Number	ART945-A
Speaker Type	Woofer
Woofer Diameter	15 Inches
Tweeter Diameter	4 Inches
Speaker Maximum Output Power	2100 Watts
Audio Output Mode	Class D
Connectivity Technology	Coaxial
Power Source	Corded Electric
Control Method	Touch (for presets)
Product Dimensions	16.34"W x 28.23"H
Item Weight	49.3 pounds (22.4 Kilograms)
Included Components	Vertical mount bracket, pole mount, rain protection
Mounting Type	Wall Mount, Pole Mount
Is Waterproof	FALSE
Manufacturer	RCF
ASIN	B09GWCSX7R

10. WARRANTY

The RCF Art 945-A Powered Speaker comes with a **Limited Warranty**. Specific terms and conditions of the warranty may vary by region and retailer. Please refer to the warranty card included with your product or visit the official RCF website for detailed warranty information. Retain your proof of purchase for any warranty claims.

11. SUPPORT

For technical assistance, service, or further information regarding your RCF Art 945-A Powered Speaker, please contact RCF customer support:






- **Online Support:** Visit the official RCF website (www.rcf.it) for FAQs, product registration, and support resources.

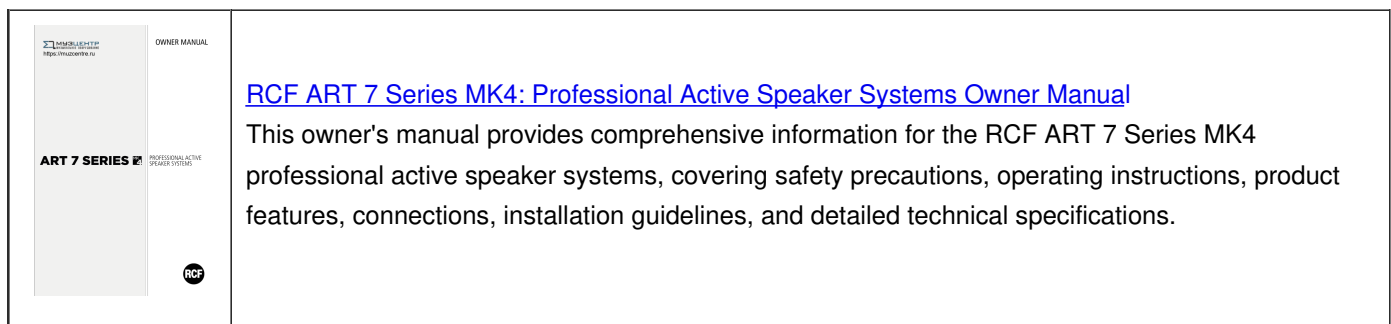
- **Contact Information:** Refer to the contact section on the RCF website for regional phone numbers or email support.

When contacting support, please have your product model (ART945-A) and serial number (if applicable) ready.

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Related Documents - ART945-A

	<p>RCF ART 9 Series Professional Active Speakers Owner's Manual</p> <p>Comprehensive owner's manual for RCF ART 9 Series professional active speakers, covering safety precautions, product description, rear panel features, connections, installation, troubleshooting, and technical specifications.</p>
	<p>RCF ART 9 Series Professional Active Speakers Owner's Manual</p> <p>This manual provides comprehensive information on the RCF ART 9 Series of professional active speakers, covering safety precautions, product description, rear panel features, connections, installation, and troubleshooting. It details the features and specifications of models like ART 910-A, ART 912-A, ART 932-A, ART 915-A, ART 935-A, and ART 945-A.</p>
	<p>RCF ART 9 Series Professional Active Speakers Owner's Manual</p> <p>This owner's manual provides essential safety precautions, operating instructions, and technical specifications for the RCF ART 9 Series professional active speakers. Learn about features, connections, installation, and troubleshooting for optimal performance.</p>
	<p>RCF ART 9 Series Professional Active Speakers Owner's Manual</p> <p>This manual provides essential safety precautions, detailed descriptions, connection guides, installation instructions, and troubleshooting tips for the RCF ART 9 Series professional active speakers.</p>
	<p>RCF ART 7 Series Owner Manual: Professional Active Speaker Systems</p> <p>Comprehensive owner's manual for RCF ART 7 Series professional active speaker systems. Discover features, safety guidelines, installation procedures, and technical specifications for models including ART 710-A, ART 712-A, ART 715-A, ART 732-A, ART 735-A, and ART 745-A.</p>



Documents - RCF – ART945-A



[\[pdf\]](#) User Manual Guide

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USER MANUAL ART 9 PROFESSIONAL ACTIVE SPEAKERS JULY 2024/Rev.A 1. 3

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PowerCON PowerCON TRUE1 **ART945-A** PowerCON PowerCON 11. PowerCON

AC **ART945-A** Power link: 100-120V- max 1600W | 200-240V- max 1600W

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ART945-A 2100W Peak, 1400W RMS, 15 , 1.4 4 v.c , 2 2100W Peak 4 15 1m HF LF
H W D H W D 45 Hz - 20000 Hz 135 dB 100 60 1.4 neo, 4.0 v.c 15 neo, 3.5 v.c / XLR,
XLR -2 dBu/ 4 dBu 650 Hz , RMS Linear, Boost, Stage, Volume 2100W Peak 700W
Peak 1400W...

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KX32-A
3200W Peak, 1600W RMS, 12", 1.4"(3" x.c), アクティブ2ウェイスピーカ - (RDNet 対応)