

RCF AYRA-FIVE-PRO

RCF AYRA-FIVE-PRO Powered 5-inch Studio Monitor User Manual

Model: AYRA-FIVE-PRO

1. INTRODUCTION

The RCF AYRA-FIVE-PRO is a professional 5-inch powered studio monitor designed for accurate audio monitoring in various production environments. This monitor provides a neutral sound reproduction tool, essential for analyzing recordings and optimizing audio mixes. It incorporates a powerful internal DSP for optimized frequency response and dynamics, along with RCF FIRPHASE processing to achieve an outstanding 0° phase response.

This manual provides essential information for the safe and efficient use of your RCF AYRA-FIVE-PRO studio monitor. Please read it thoroughly before setup and operation.

2. SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK. DO NOT OPEN.

- Do not expose this appliance to rain or moisture.
- Do not remove the cover. No user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Ensure the power cord is undamaged and properly grounded.
- Disconnect the power cord before cleaning or moving the unit.
- Avoid placing the monitor near heat sources or in direct sunlight.
- Do not block ventilation openings.

Observe all warnings and instructions marked on the product.



HIGH FREQUENCY TRIM



-1 dB 0 +1 dB

-2 dB 0 +2 dB



LOW FREQUENCY TRIM



VOLUME

UNBALANCED
INPUT



BALANCED INPUT



RCF **AYRA PRO5**
ACTIVE PROFESSIONAL MONITOR



**CAUTION RISK OF ELECTRIC SHOCK
DO NOT OPEN**

ATTENTION: RISQUE DE CHOC ELECTRIQUE. NE PAS OUVRIR. WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE. AVERTISSEMENT: NE PAS EXPOSER CE MATERIEL A LA PLUIE OU L'HUMIDITE AFIN DE REDUIRE LE RISQUE D'INFLAMMATION OU DE CHOC ELECTRIQUE. THIS DEVICE COMPLIES WITH PART 15 OF FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRABLE OPERATION.



SERIAL NUMBER



AC INPUT
100-240 V - 50-60 Hz

POWER CONSUMPTION 120 W
FUSE T 2A L - 250 V -

ON



RCF S.P.A. VIA RAFFAELLO SANZIO, 13 42124 REGGIO EMILIA ITALY

CONCEIVED IN ITALY MADE IN CHINA

Figure 2.1: Rear panel with safety warnings and connection points.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- RCF AYRA-FIVE-PRO Powered 5-inch Studio Monitor
- Power Cable
- User Manual (this document)

4. PRODUCT OVERVIEW

The RCF AYRA-FIVE-PRO features a robust design with a 5-inch woofer and a 1-inch tweeter, housed in a rectangular enclosure. The front panel includes the speaker drivers and bass reflex ports, while the rear panel provides all controls and input connections.

4.1 Front Panel



Figure 4.1: Front view of the RCF AYRA-FIVE-PRO.

The front panel displays the 5-inch woofer for low and mid-range frequencies and the 1-inch tweeter for high frequencies. The RCF logo is located at the bottom.



Figure 4.2: Close-up of the speaker drivers.

4.2 Rear Panel Controls and Connections



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Figure 4.3: Rear panel controls and connections.

- **HIGH FREQUENCY TRIM:** Adjusts the high-frequency response (-1dB, 0dB, +1dB).
- **LOW FREQUENCY TRIM:** Adjusts the low-frequency response (-2dB, 0dB, +2dB).
- **VOLUME:** Controls the overall output level of the monitor.
- **BALANCED INPUT:** XLR input for balanced audio signals.
- **UNBALANCED INPUT:** 1/4-inch TRS input for unbalanced audio signals.
- **AC INPUT:** Power connection for the included power cable (100-240 V ~ 50-60 Hz).
- **POWER SWITCH:** Turns the monitor ON or OFF.

5. SETUP

5.1 Placement

- Place the monitors on a stable, flat surface, ideally on isolation pads to minimize vibrations.
- Position the monitors to form an equilateral triangle with your listening position, with the tweeters at ear level.
- Maintain a consistent distance from walls to avoid unwanted bass buildup or cancellation.

5.2 Connections

1. Ensure the monitor's power switch is in the OFF position.
2. Connect your audio source (e.g., audio interface, mixer) to the monitor using either a balanced XLR cable or an unbalanced 1/4-inch TRS cable. Use balanced connections whenever possible for optimal signal integrity.
3. Connect the supplied power cable to the AC INPUT on the rear panel of the monitor and then to a suitable power outlet.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- To power on, ensure all connections are secure, then flip the POWER SWITCH to the ON position.
- To power off, flip the POWER SWITCH to the OFF position. It is recommended to power off your audio source first, then the monitors.

6.2 Adjusting Volume

Use the VOLUME knob on the rear panel to set the desired listening level. Start with a low volume and gradually increase it to a comfortable level.

6.3 Frequency Trim Controls

The HIGH FREQUENCY TRIM and LOW FREQUENCY TRIM controls allow you to adjust the monitor's response to suit your acoustic environment and personal preference. Experiment with these settings to achieve the most accurate sound for your room.

- **HIGH FREQUENCY TRIM:** Adjusts the treble response.
- **LOW FREQUENCY TRIM:** Adjusts the bass response.

6.4 Bluetooth Connectivity

The RCF AYRA-FIVE-PRO supports Bluetooth wireless communication. Refer to your audio source's Bluetooth pairing instructions to connect to the monitor. Once paired, audio can be streamed wirelessly.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the monitor. Do not use abrasive cleaners, waxes, or solvents.
- **Storage:** When not in use for extended periods, store the monitor in a dry, dust-free environment.
- **Ventilation:** Ensure that the ventilation openings on the monitor are not obstructed to prevent overheating.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound	Power not connected; Volume too low; Input cable disconnected or faulty; Audio source issue.	Check power cable and switch; Increase volume; Verify input cable connections; Check audio source output.
Distorted sound	Input signal too high; Volume too high; Faulty cable.	Reduce input signal level from source; Lower monitor volume; Try a different cable.
Humming/Buzzing noise	Ground loop; Unbalanced cable used for long runs; Interference.	Ensure all equipment is on the same electrical circuit; Use balanced cables; Try a ground loop isolator.
Bluetooth not connecting	Monitor not in pairing mode; Device too far; Interference.	Ensure monitor is discoverable; Move device closer; Reduce other wireless activity.

If the problem persists after attempting these solutions, please contact RCF customer support.

9. SPECIFICATIONS

Feature	Specification
Model Name	AYRA-FIVE-PRO
Speaker Type	Powered Studio Monitor
Woofers Diameter	5 Inches
Tweeter Diameter	1 Inch
Speaker Maximum Output Power	200 Watts
Connectivity Technology	XLR, 1/4-inch TRS, Bluetooth
Wireless Communication Technology	Bluetooth
Power Source	Corded Electric (100-240 V ~ 50-60 Hz)

Feature	Specification
Product Dimensions (D x W x H)	9.57" x 11.81" x 7.28" (24.3 cm x 30 cm x 18.5 cm)
Item Weight	2.2 pounds (1 kg)
Material	Stainless Steel (Cabinet)
Color	Black - RAL 9005
Control Method	Touch (for some functions, likely referring to digital controls)
Mounting Type	Tabletop Mount



Figure 9.1: RCF AYRA-FIVE-PRO dimensions.

10. WARRANTY AND SUPPORT

The RCF AYRA-FIVE-PRO studio monitor 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 inquiries, please contact RCF customer service through their official website or the contact information provided with your purchase documentation.