

RCF TT25-CXA

RCF TT 25-CXA Powered Coaxial Monitor Instruction Manual

Model: TT25-CXA

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your RCF TT 25-CXA Powered Coaxial Monitor. The TT 25-CXA is a high-performance, full-range active monitor designed for professional audio applications, offering a linear response, consistent coverage, and high acoustic output. Please read this manual thoroughly before operating the unit and retain it for future reference.

2. SAFETY INFORMATION

Important Safety Instructions:

- Always connect the unit to a grounded power outlet.
- Do not expose the unit to rain or moisture.
- Do not open the unit. Refer all servicing to qualified personnel.
- Ensure proper ventilation around the unit to prevent overheating.
- Avoid placing the unit near heat sources or in direct sunlight.
- Use only accessories specified by the manufacturer.
- Disconnect the power cord during lightning storms or when unused for long periods.
- High sound pressure levels can cause permanent hearing damage. Use caution when setting volume levels.

3. SETUP

3.1 Unpacking

Carefully remove the RCF TT 25-CXA monitor from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Retain the original packaging for future transport or storage.

3.2 Physical Placement

The TT 25-CXA is designed as a stage monitor with a low-profile cabinet. Place the monitor on a stable, flat surface on the stage floor, ensuring it is angled towards the performer for optimal sound projection. Its 60° x 60° constant directivity coverage angle ensures consistent sound across the monitoring area.



Figure 1: Front view of the RCF TT 25-CXA Powered Coaxial Monitor. This image shows the speaker grille and the overall compact, low-profile design suitable for stage monitoring.

3.3 Connections

Refer to the rear panel for all input, output, and power connections.

- **Power Input:** Connect the supplied AC power cord to the "AC POWER INPUT" connector. Ensure the power source matches the voltage requirements of the unit.
- **Audio Input:** Use an XLR cable to connect your audio source (e.g., mixing console) to the "INPUT" XLR connector. The input supports both balanced and unbalanced signals.
- **Audio Output:** An "OUTPUT" XLR connector is provided for linking multiple monitors or sending the signal to other audio devices.
- **RDNet Onboard:** The unit features RDNet onboard control for advanced system management and monitoring. Connect compatible RDNet devices to the "RDNet onboard" connectors.



Figure 2: Rear panel of the RCF TT 25-CXA, showing input/output connectors, power input, and RDNet controls. This panel allows for audio signal routing, power connection, and advanced network control.

3.4 Initial Power-Up

Once all connections are secure, switch on the power. The unit will perform a self-test. Observe the indicator lights for proper operation.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

The TT 25-CXA is an active monitor, meaning it has a built-in amplifier. Once powered on and connected to an audio source, it will reproduce the incoming audio signal. Adjust the input sensitivity as needed, typically -2 dBu for consumer-level equipment or +4 dBu for professional line-level signals.

4.2 DSP Processing and Presets

The monitor features integrated DSP processing. This allows for precise control over various audio parameters, including crossover frequencies (900 Hz), protections (Thermal, HF), and limiting (soft limiter, dynamic). The unit includes 8 selectable presets to optimize performance for different applications or environments. Consult the rear panel controls or the RDNet software for preset selection and advanced DSP adjustments.

4.3 Monitoring Applications

The TT 25-CXA is versatile and suitable for various monitoring roles:

- **Vocal Stage Monitor:** Its accurate and deep voicing, with transparent mids and accurate high frequencies, makes it ideal for main vocal monitoring.
- **High-Output Drum or Keyboard Monitor:** Capable of delivering high SPL, it can effectively monitor drums or keyboards.
- **Sidefill Monitor:** For small to medium-scale applications, it can serve as a sidefill monitor.

5. MAINTENANCE

5.1 Cleaning

To clean the exterior of the monitor, use a soft, dry cloth. 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 waxes. Ensure no liquid enters the speaker grille or control panel.

5.2 Storage

When not in use, store the monitor in a cool, dry place, away from direct sunlight and extreme temperatures. If possible, use the original packaging or a protective cover to prevent dust accumulation and physical damage.

5.3 General Care

Regularly check all cables for wear and tear. Ensure connections are secure before each use. Avoid dropping or subjecting the unit to strong impacts.

6. TROUBLESHOOTING

If you encounter issues with your RCF TT 25-CXA monitor, refer to the following common problems and solutions:

- **No Power:**

- Check if the power cord is securely connected to both the unit and the power outlet.
- Verify that the power outlet is functional.
- Ensure the power switch on the unit is in the "ON" position.

- **No Sound:**

- Confirm that the audio source is active and sending a signal.
- Check all audio cables (XLR) for secure connections and damage.
- Ensure the input sensitivity is set appropriately.
- Verify that the monitor's internal limiter is not constantly active due to an excessively high input signal.

- **Distorted Sound:**

- Reduce the input signal level from your audio source.
- Check for damaged audio cables.
- Ensure the monitor is not operating beyond its maximum SPL capabilities.

- **RDNet Connection Issues:**

- Verify RDNet cable connections.
- Ensure RDNet software is correctly configured and running.

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

7. SPECIFICATIONS

Detailed technical specifications for the RCF TT 25-CXA Powered Coaxial Monitor:



Figure 3: Close-up view of the 15-inch neo coaxial woofer and 1.5-inch neo coaxial compression driver, key components of the TT 25-CXA's acoustic design.

Category	Specification
Model	TT25-CXA
Amplifier Type	Class D, Active
Total Power	1,100 W RMS
High Frequencies Power	300 W RMS
Low Frequencies Power	800 W RMS
Frequency Response (-3 dB)	50 Hz ± 20 KHz
Max SPL	133 dB
Horizontal Coverage Angle	60°
Vertical Coverage Angle	60°
Compression Driver	1.5" neo, 2.5" voice coil
Woofer	15" neo, 3.5" voice coil
Input Signal	Balanced/Unbalanced
Input Connectors	XLR, RDNet onboard
Output Connectors	XLR, RDNet onboard
Input Sensitivity	-2 dBu / +4 dBu
Crossover Frequencies	900 Hz

Category	Specification
Protections	Thermal, HF
Limiter	Soft limiter, Dynamic
Controls	Processor, 8 selectable presets
Item Weight	49 pounds
Power Source	Corded Electric
Color	Black


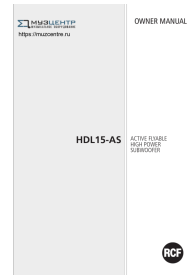
8. WARRANTY AND SUPPORT




RCF products are manufactured to the highest quality standards. For information regarding the warranty period and terms applicable to your RCF TT 25-CXA monitor, please refer to the warranty card included with your product or visit the official RCF website.

For technical support, service, or spare parts, please contact your authorized RCF dealer or visit the RCF official website for contact information. When contacting support, please have your product model (TT25-CXA) and serial number available.

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Related Documents - TT25-CXA

	<p>RCF M 18 Digital Mixer Reference Guide</p> <p>Comprehensive reference guide for the RCF M 18 Digital Mixer, detailing features, setup, operation, firmware updates, network connectivity, and technical specifications for musicians and audio professionals.</p>
	<p>RCF HDL15-AS Active Flyable High Power Subwoofer Owner Manual</p> <p>This owner's manual provides detailed information for the RCF HDL15-AS Active Flyable High Power Subwoofer. It covers safety precautions, product features, technical specifications, installation, rigging, and array design for professional audio and touring applications.</p>

 <p>USER MANUAL MANUALE D'USO</p> <p>ES 3080</p> <p>12 CHANNEL MIXER 12 CANALI MISTURATORI</p> <p>RCF</p>	<p>RCF ES 3080 Mixer-Amplifier User Manual</p> <p>Comprehensive user manual for the RCF ES 3080 mixer-amplifier, detailing its features, operation, connections, and specifications. Includes safety precautions and troubleshooting tips.</p>
 <p>OWNER MANUAL</p> <p>HDL 6-A HDL 12-AS</p> <p>ACTIVE LINE ARRAY MODULE ATTIVO LINE ARRAY MODULE</p> <p>RCF</p>	<p>RCF HDL 6-A and HDL 12-AS Owner Manual</p> <p>Comprehensive owner's manual for RCF HDL 6-A Active Line Array Module and HDL 12-AS Active Subwoofer Array Module, covering setup, safety, rigging, software, and specifications.</p>
 <p>OWNER MANUAL</p> <p>ART 910-AX ART 912-AX ART 915-AX</p> <p>PROFESSIONAL ACTIVE BLUETOOTH SPEAKERS</p> <p>RCF</p>	<p>RCF ART 9 AX Series Owner's Manual: Professional Active Bluetooth Speakers</p> <p>Comprehensive owner's manual for RCF ART 9 AX series professional active Bluetooth speakers, detailing safety, features, installation, connections, troubleshooting, and technical specifications for ART 910-AX, ART 912-AX, and ART 915-AX models.</p>
 <p>OWNER MANUAL</p> <p>art 7series</p> <p>PROFESSIONAL ACTIVE SPEAKER SYSTEMS</p> <p>RCF</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>