

Fostex AMS-RM-3DT

Fostex RM-3DT Active Monitor Speaker User Manual

Model: AMS-RM-3DT

INTRODUCTION

The Fostex RM-3DT is a compact, high-quality active monitor speaker designed for professional audio environments, particularly for rack-mount installations. It features both Dante and balanced analog inputs, making it versatile for various studio and broadcast applications. This manual provides essential information for the proper setup, operation, and maintenance of your RM-3DT unit.



Figure 1: Front view of the Fostex RM-3DT Active Monitor Speaker, showing the LED meter, headphone jack, and volume knob.

KEY FEATURES

- Accepts both Dante and Balanced Analog Inputs for flexible connectivity.
- Outputs either or both of any 2-channel digital signals extracted from the Dante network.
- Power-saving design incorporating a digital amplifier and switching power supply.
- 26-dot LED meter with selectable display modes: VU, VU+PEAK, VU+PEAK HOLD, PEAK+PEAK HOLD.
- Adjustable display brightness with four levels.

WHAT'S IN THE BOX

Upon unpacking your Fostex RM-3DT, please ensure all the following items are present:

- Fostex RM-3DT Rack-Mount Active Stereo Monitor Speaker with Dante
- Power Cord
- User Manual (this document)

SETUP

1. Physical Installation

The RM-3DT is designed for standard 19-inch rack mounting. Ensure adequate ventilation around the unit to prevent overheating. Secure the unit firmly using appropriate rack screws.

2. Connections

The RM-3DT offers both Dante network connectivity and traditional balanced analog inputs/outputs.



Figure 2: Rear panel of the Fostex RM-3DT, illustrating Dante IN, Analog Input (XLR), and Analog Thru Out (XLR) ports.

- **Dante Input:** Connect an Ethernet cable from your Dante network to the "Dante IN" port. The RM-3DT will appear as a device on your Dante Controller software.
- **Analog Input:** Use balanced XLR cables to connect your analog audio sources to the "ANALOG INPUT" (L/R) ports.
- **Analog Thru Out:** The "ANALOG THRU OUT" (L/R) ports provide a pass-through of the analog input signals, allowing you to route them to other equipment.

3. Power Connection

Connect the supplied power cord to the AC IN receptacle on the rear panel of the RM-3DT and then to a standard AC power outlet. Ensure the power switch is in the "OFF" position before connecting.

OPERATING INSTRUCTIONS

1. Powering On/Off

To power on the unit, flip the power switch on the rear panel to the "ON" position. To power off, flip the switch to "OFF".

2. Front Panel Controls



Figure 3: Close-up of the front panel, highlighting the headphone jack, volume knob, and input/output selection buttons.

- **PHONES Jack:** Connect stereo headphones to this 1/4-inch (6.35mm) jack for private monitoring.
- **VOLUME Knob:** Adjusts the output level of the built-in speakers and the headphone output.
- **INPUT Button:** Toggles between Dante and Analog input sources. The selected input will be indicated by an LED.
- **OUTPUT Button:** Selects whether the monitor outputs the Dante signal, Analog signal, or a mix of both.

3. LED Meter Display

The 26-dot LED meter provides visual feedback on audio levels. You can configure its display mode and brightness using the DIP switches on the rear panel.

- **Display Modes:**
 - VU: Standard Volume Unit meter.
 - VU+PEAK: Displays VU level with peak hold.
 - VU+PEAK HOLD: Displays VU level with a longer peak hold.
 - PEAK+PEAK HOLD: Displays peak level with peak hold.
- **Brightness Adjustment:** The display brightness can be set to one of four levels via DIP switch settings.

4. Rear Panel DIP Switches

A set of DIP switches on the rear panel allows for advanced configuration of the RM-3DT's behavior. Refer to the labels next to the switches for specific functions.



Figure 4: Close-up of the rear panel, showing the DIP switches for various settings like Dimmer, Meter type, Mute, and Peak VU.

- **DIMMER:** Adjusts the brightness of the LED meter.
- **METER:** Selects the LED meter display mode (VU, VU+PEAK, etc.).
- **MUTE:** Enables or disables the mute function.

- **PEAK VU:** Configures specific peak VU settings.

Consult the detailed diagram on the unit's rear panel for precise DIP switch configurations.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure that the ventilation grilles are not obstructed to allow for proper airflow and prevent overheating.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cord not connected; Power switch off; Outlet issue.	Check power cord connection; Ensure power switch is ON; Test outlet with another device.
No audio output	Incorrect input selected; Volume too low; Cable issues; Dante network problem.	Press INPUT button to select correct source; Increase VOLUME; Check all audio cables; Verify Dante network configuration in Dante Controller.
LED meter not displaying	Brightness set too low; Meter mode incorrect; No audio signal.	Adjust DIMMER DIP switch; Check METER DIP switch setting; Ensure audio signal is present.
Distorted audio	Input level too high; Faulty cable; Speaker damage.	Reduce input signal level; Try different cables; Contact Fostex support if speakers are damaged.

SPECIFICATIONS

Feature	Detail
Model Name	Rack-Mount Active
Speaker Type	Monitor
Item Model Number	AMS-RM-3DT
Connectivity Protocol	Dante (digital audio network) and balanced XLR (analog audio)
Speaker Size	110 Millimeters
Woofer Diameter	3.15 Inches
Audio Output Mode	Stereo
Speaker Maximum Output Power	30 Watts
Power Source	Corded Electric
Product Dimensions	5"D x 20"W x 20"H
Item Weight	10.38 pounds
Color	Black

Feature	Detail
Manufacturer	Fostex
UPC	636827308977

WARRANTY AND SUPPORT


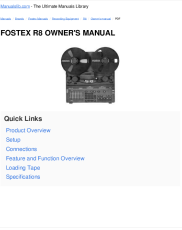

The Fostex RM-3DT comes with a limited warranty. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Fostex website. For technical support, service, or further inquiries, please contact Fostex customer service through their official channels.

You can find more information and support resources on the [Fostex Store on Amazon](#).

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Related Documents

	<p>Fostex PX-5 Professional Monitor System User Manual</p> <p>Comprehensive user manual for the Fostex PX-5 professional monitor system, covering features, controls, setup, specifications, and safety information.</p>
	<p>Fostex R8 Owner's Manual: High-Quality 8-Track Recorder/Reproducer Guide</p> <p>Comprehensive owner's manual for the Fostex R8 8-track recorder/reproducer, covering setup, operation, recording techniques, advanced features, maintenance, and specifications.</p>
	<p>Fostex TH808 Premium Headphones - Owner's Manual</p> <p>Owner's manual for the Fostex TH808 premium headphones, detailing features, specifications, and safety precautions. Learn about the unique housing, driver unit, headphone cable, and ear pads.</p>



[Fostex MR-8HD Digital Multitracker Owner's Manual](#)

Comprehensive owner's manual for the Fostex MR-8HD Digital Multitracker, covering safety instructions, features, basic operations, advanced functions, troubleshooting, and specifications.