Tannoy REVEAL402

Tannoy Reveal 402 Studio Monitor User Manual

Model: REVEAL402

1. INTRODUCTION

Thank you for choosing the Tannoy Reveal 402 4-inch Powered Studio Monitor. This ultra-compact studio reference monitor is designed to deliver accurate and detailed sound reproduction for your personal studio or listening environment. With 70 Watts of bi-amped power and a tuned front-firing bass port, the Reveal 402 provides a large monitor sound in a compact design.

Figure 1: Front view of the Tannoy Reveal 402 Studio Monitor.

2. KEY FEATURES

- **Active 2-way Design:** Features a 4-inch super-efficient woofer and a 3/4-inch precision tweeter for balanced audio reproduction.
- **Bi-Amplified Power:** Equipped with 70 Watts of custom-tuned bi-amplification for optimal performance.
- **Expertly Voiced Crossover Filters:** Ensures impeccable timing between speaker drivers, creating a massive sweet spot for consistent stereo imaging.
- **Front-Firing Bass Port:** Provides extended low-frequency response and flexible placement options.

- **Auxiliary Link Connectivity:** Includes a 1/4" TRS Aux Input and a mini jack cable for easy connection to smartphones, tablets, MP3 players, and other audio sources, allowing for instant stereo setup without external interfaces.
- **Compact Design:** Ideal for desktop recording and personal studio monitoring.

3. SETUP GUIDE

3.1 Unpacking

Carefully remove the monitor from its packaging. Ensure all components are present:

- Tannoy Reveal 402 Studio Monitor (1 unit)
- Mini jack cable
- Power cable

3.2 Placement

For optimal sound, place the monitors on a stable, flat surface, such as a desktop or speaker stands. Ensure they are positioned to form an equilateral triangle with your listening position. The front-firing bass port allows for more flexible placement closer to walls if necessary, but experimentation is recommended for the best acoustic results.

3.3 Connections

1. **Power Connection:** Connect the supplied power cable to the monitor's power input and then to a suitable AC power outlet (100V).
2. **Audio Input:**

    a. For a single monitor setup or linking two monitors: Use the included mini jack cable to connect your audio source (smartphone, tablet, MP3 player) to the 1/4" TRS Aux Input on the monitor.

    b. To link two monitors for stereo sound: Connect the mini jack cable from your audio source to the Aux Input of one monitor. Then, use another mini jack cable (not included, or use the provided one if only one monitor is used) to connect the "Monitor Link" output of the first monitor to the "Monitor Link" input of the second monitor. This creates an instant stereo setup.

    c. Alternatively, use the balanced XLR or 1/4" TRS inputs for professional audio interfaces.

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Video 1: Official product video demonstrating the features and connectivity of the Tannoy Reveal 402, including the Aux Link for easy setup with various devices.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Once connected, locate the power switch on the rear panel of the monitor. Flip the switch to the 'ON' position to power on the unit. The Tannoy logo on the front will illuminate. To power off, flip the switch to the 'OFF' position.

4.2 Volume Control

Adjust the volume using the gain control knob on the rear panel. Start with a low volume and gradually increase it to a comfortable listening level. For precise mixing, it is recommended to set the monitor volume to a consistent level and control the overall output from your audio source or interface.

4.3 EQ Adjustment (if applicable)

The Reveal 402 is designed for a flat frequency response. However, if your listening environment requires minor adjustments, refer to the rear panel for any available EQ controls (e.g., High Frequency Trim, Bass Adjust) and adjust them according to your acoustic space and preference. These controls help compensate for room acoustics and ensure accurate monitoring.

5. MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the monitor. Do not use abrasive cleaners, waxes, or solvents as they may damage the finish.
- **Dust Protection:** Keep the monitor free from dust. Consider using a dust cover when not in use for extended periods.
- **Ventilation:** Ensure proper ventilation around the monitor. Do not block the front-firing bass port or any rear vents.
- **Environmental Conditions:** Avoid exposing the monitor to extreme temperatures, humidity, or direct sunlight.
- **Handling:** Handle the monitor with care. Avoid dropping or subjecting it to strong impacts.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound	Power cable not connected or power switch off. Audio cables not connected properly. Volume knob set too low. Audio source not playing or outputting sound.	Check power connection and ensure power switch is ON. Verify all audio cables are securely connected to both the monitor and the audio source. Increase the volume on the monitor and your audio source. Test the audio source with another device to confirm it is working.
Distorted Sound	Input signal too high (clipping). Cables are faulty or incorrect type. Monitor placed too close to a wall or corner (bass distortion).	Reduce the output level from your audio source or interface. Try different audio cables. Ensure you are using appropriate cables (e.g., balanced TRS/XLR for longer runs). Adjust monitor placement; try moving it further from walls or corners.
Humming/Buzzing Noise	Ground loop issue. Interference from other electronic devices. Faulty cable.	Ensure all audio equipment is plugged into the same power strip or outlet. Use balanced cables if possible. Move the monitor away from power supplies, routers, or other devices that may cause interference. Replace audio cables.

If the problem persists after trying these solutions, please contact Tannoy customer support or an authorized service center.

7. TECHNICAL SPECIFICATIONS

Model: REVEAL402

Speaker Type: Active 2-way Studio Reference Monitor

Woofer Diameter: 4 inches

Tweeter Diameter: 3/4 inches (19 mm)

Amplification: Bi-amplified

Output Wattage: 70 Watts

Signal-to-Noise Ratio: 101 dB

Connectivity Technology: Auxiliary, TRS

Inputs: 1/4" TRS Aux Input, Balanced XLR, 1/4" TRS

Outputs: Monitor Link (for stereo pairing)

Power Source: Corded Electric (100V)

Control Method: App, Remote (Note: Specific app/remote functionality may vary or require additional accessories)

Special Feature: Built-in Microphone (Note: This feature may be for specific internal calibration or monitoring, not for general audio input)

Included Components: Mini jack cable

Item Weight: 4.4 kg (9.68 pounds)

Product Dimensions (L x W x H): 8.27 x 5.71 x 9.65 inches

Material Type: Paper or similar (woofer cone), Soft Dome (tweeter)

Mounting Type: Tabletop Mount

Water Resistance Level: Not Water Resistant

Country of Origin: China

8. WARRANTY AND SUPPORT

The Tannoy Reveal 402 Studio Monitor comes with a **Limited Warranty**. Please refer to the warranty card included in your product packaging for detailed terms and conditions, including coverage period and limitations.
For technical support, service, or warranty claims, please visit the official Tannoy website or contact their customer service department. Keep your proof of purchase for warranty validation.
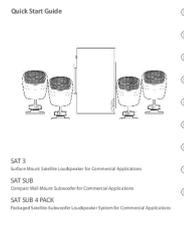**Online Resources:** For the latest drivers, software, and additional product information, please visit www.tannoy.com.
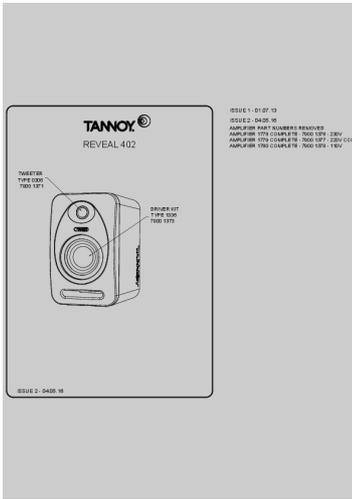
Related Documents - REVEAL402

[Tannoy Precision 6D & 8D Active Studio Monitors: Owner's Manual](#)
Comprehensive owner's manual for Tannoy Precision 6D and 8D active studio monitors, detailing safety instructions, features, setup, equalization, placement, performance data, technical specifications, servicing, warranty, and declaration of conformity.

[Tannoy V8 Loudspeaker: Technical Specifications and Performance Data](#)
Detailed technical specifications, performance measurements, dimensional sketches, and ordering information for the Tannoy V8 installation loudspeaker, featuring Dual Concentric driver technology.

[TANNOY VMS 1 / VMS 1-WH Quick Start Guide](#)
A comprehensive quick start guide for the TANNOY VMS 1 / VMS 1-WH 5" Versatile 2-Way Compact Monitor for Installation Applications. This guide covers essential safety instructions, amplifier considerations, connection procedures, optimal speaker positioning, cabinet care, and technical specifications.

[Tannoy GOLD SERIES GOLD 8/7/5 Quick Start Guide](#)
This document provides a quick start guide for the Tannoy GOLD SERIES GOLD 8/7/5 Premium Bi-Amplified Nearfield Studio Reference Monitors, detailing setup, connections, controls, and safety information.

[Tannoy QFlex 16LS-WP Quick Start Guide: Digitally Steerable Column Array Loudspeaker](#)
Get started with your Tannoy QFlex 16LS-WP digitally steerable powered column array loudspeaker. This guide covers safety, installation, connections, software, and specifications for life safety applications.

[Tannoy SAT Series Quick Start Guide: SAT 3 & SAT SUB Loudspeakers](#)
Get started quickly with Tannoy's SAT 3 satellite loudspeakers and SAT SUB subwoofer. This guide covers installation and setup for commercial audio systems, offering clear instructions for background and foreground music applications.
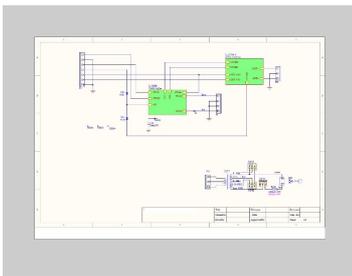
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TWEETER TYPE 0306 7900 1371 REVEAL 402 DRIVER KIT TYPE 1336 7900 1373 ISSUE 1 - 01.07.13 ISSUE 2 - 04.05.16 AMPLIFIER PART NUMBERS REMOVED AMPLIFIER 1778 COMPLETE - 7900 1376 - 230V AMPLIFIER 1779 COMPLETE - 7900 1377 - 220V CCC AMPLIFIER 1780 COMPLETE - 7900 1378 - 110V ISSUE 2 - 04.05.16 ...

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Instructions Accessories

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Instructions Here is what is needed Rubber mat for workbench surface Cloth s for wiping down product Box cutter for opening boxes 4mm bit for drill #2 Philips bit for drill Magnetic hex bit holder for drill for the above bits Small electronic snips Steps: 1. Carefully unbox Outer and inner ca...

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