

TURBOSOUND IP300

Turbosound iP300 Powered Column Loudspeaker

Model: IP300 | Brand: TURBOSOUND

1. INTRODUCTION

Thank you for choosing the Turbosound iP300 600 Watt Powered Column Loudspeaker. This high-quality audio system is designed for portable PA applications and superior music playback. It features 2 x 6.5" woofers, 4 neodymium drivers, and incorporates KLARK TEKNIK Spatial Sound Technology for immersive 3D acoustic environments. The iP300 also includes a 3-channel digital mixer, remote control capabilities via iPhone/iPad, and Bluetooth audio streaming. This manual provides essential information for safe and effective use of your new loudspeaker.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the iP300 loudspeaker. Retain this manual for future reference.

- **Power Source:** Connect the unit only to the specified power supply voltage. Ensure the power cable is not damaged or pinched.
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Water and Moisture:** Do not expose this apparatus to rain or moisture. Do not use near water.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Cleaning:** Clean only with a dry cloth.
- **Servicing:** 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.
- **Placement:** Ensure the loudspeaker is placed on a stable, level surface or securely mounted on a compatible stand.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Turbosound iP300 Powered Column Loudspeaker
- Power Cable

- Carrying Handle
- Remote Control App (downloadable for iOS devices)

4. PRODUCT OVERVIEW

4.1 Components

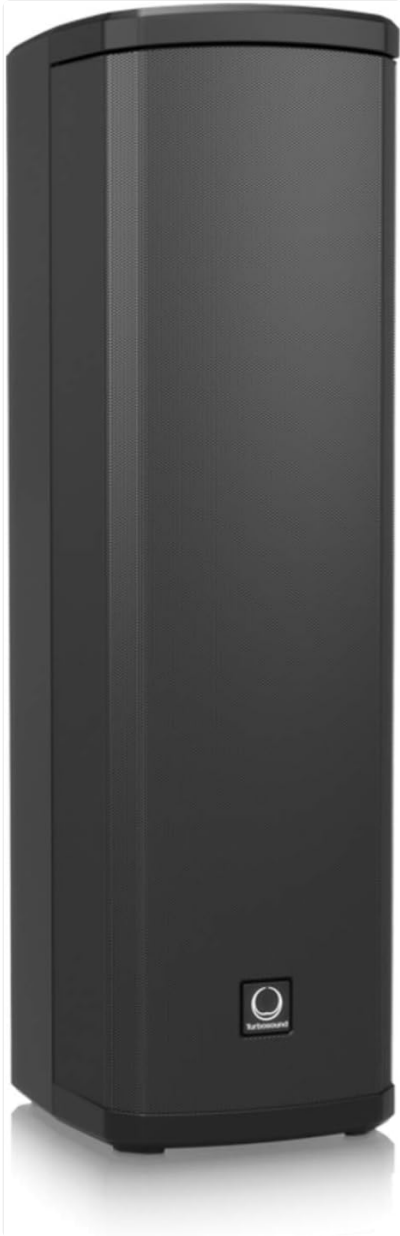


Figure 4.1: Front view of the iP300 loudspeaker, showcasing its sleek, black column design with the Turbosound logo at the bottom.



Figure 4.2: Rear view of the iP300, highlighting the 'iNSPIRE' branding, Turbosound logo, and the control panel with various input/output ports.



Figure 4.3: Internal view of the iP300, revealing the two 6.5-inch woofers at the bottom and four smaller neodymium drivers arranged vertically above them, responsible for high-frequency output.



Figure 4.4: Detailed view of the iP300's control panel, featuring a digital display, rotary encoder, and buttons for PROCESS, SETUP, EXIT, ENTER, and Bluetooth pairing. Below are XLR and combo jack inputs for audio connections.

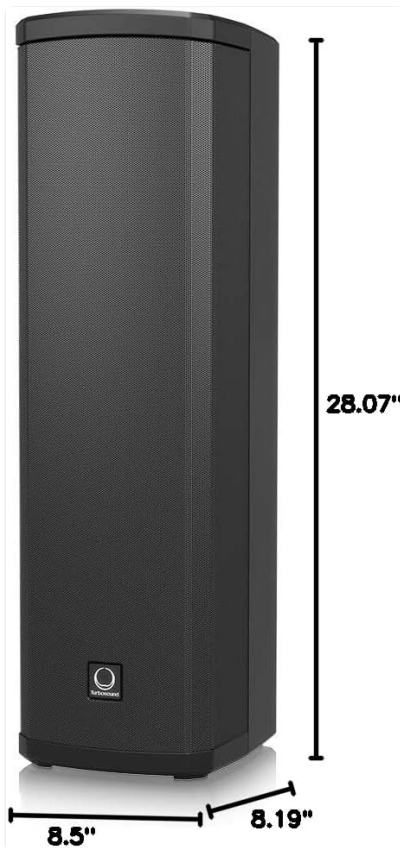


Figure 4.5: Diagram illustrating the dimensions of the iP300 loudspeaker: 28.07 inches in height, 8.5 inches in width, and 8.19 inches in depth.

4.2 Key Features

- Column loudspeaker for portable PA applications and high quality music playback.
- KLARK TEKNIK's revolutionary SST (Spatial Sound Technology) for creating 3D acoustic environments.
- Extremely wide sound dispersion provides consistent sound to the audience and performers.
- 600 Watt power, multi-channel KLARK TEKNIK Class-D technology.

- 3 channel digital mixer with gain setting recall.

5. SETUP

5.1 Physical Placement

Place the iP300 loudspeaker on a stable, flat surface or mount it on a suitable speaker stand. Ensure adequate space around the unit for ventilation. For optimal sound dispersion, position the speaker to cover your desired listening area.

5.2 Power Connection

1. Ensure the power switch on the rear panel is in the 'OFF' position.
2. Connect the supplied power cable to the AC input on the rear of the loudspeaker.
3. Plug the other end of the power cable into a grounded electrical outlet.

5.3 Audio Connections

The iP300 features multiple input options:

- **Input A & B (Combo XLR/TRS):** Connect microphones, mixers, or other audio sources using XLR or 1/4" TRS cables.
- **Link A & B (XLR Output):** Use these outputs to connect to additional iP300 loudspeakers or other powered speakers for expanded sound coverage.

5.4 Bluetooth Pairing

To stream audio wirelessly from your device:

1. Power on the iP300 loudspeaker.
2. Press the 'Bluetooth' button on the control panel. The Bluetooth indicator on the display will flash, indicating pairing mode.
3. On your mobile device (iPhone/iPad recommended for full control app functionality), enable Bluetooth and select 'TURBOSOUND iP300' from the list of available devices.
4. Once paired, the Bluetooth indicator will glow solid. You can now stream audio to the loudspeaker.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Use the main power switch on the rear panel.
- **Volume Control:** Adjust the main volume using the large rotary encoder on the control panel.
- **Input Selection:** Use the digital mixer interface to select and adjust levels for Input A, Input B, and Bluetooth audio.

6.2 KLARK TEKNIK Spatial Sound Technology (SST)

The iP300 features KLARK TEKNIK SST for enhanced sound imaging. Access SST settings via the 'PROCESS' button on the control panel or through the dedicated remote control app. Experiment with different presets and parameters to achieve the desired acoustic environment for your venue.

6.3 Digital Mixer and Remote Control

The integrated 3-channel digital mixer allows for precise control over your audio. You can adjust gain, EQ, and apply reverb effects directly from the unit's display or more comprehensively using the dedicated iOS app. Download the official Turbosound app from the App Store to unlock full remote control capabilities, including detailed mixer adjustments and system configuration.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your iP300 loudspeaker.

- **Cleaning:** Regularly wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or waxes.
- **Storage:** When not in use, store the loudspeaker in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically check the power cable and audio cables for any signs of damage.
- **Ventilation:** Ensure ventilation grilles remain clear of dust and debris.

8. TROUBLESHOOTING

If you encounter issues with your iP300 loudspeaker, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
No power	Power cable disconnected; Power switch off; Faulty outlet	Check power cable connection; Ensure power switch is ON; Try a different outlet
No sound output	Volume too low; Incorrect input selected; Audio cable issues; Source device problem	Increase volume; Select correct input; Check audio cables; Verify source device is playing audio
Bluetooth not pairing	Speaker not in pairing mode; Device too far; Interference	Press Bluetooth button to enter pairing mode; Move device closer; Reduce interference from other wireless devices
Distorted sound	Input level too high; Speaker overloaded; Faulty cable	Reduce input gain/volume; Do not exceed maximum output; Replace cable if damaged

If the problem persists after trying these solutions, please contact qualified service personnel.

9. SPECIFICATIONS

Feature	Detail
Model Name	iP300
Speaker Type	3D, Woofer
Speaker Maximum Output Power	600 Watts
Woofer Diameter	6.5 Inches (x2)
Drivers	4 Neodymium Drivers
Connectivity Technology	Bluetooth
Bluetooth Range	10 Meters
Controller Type	Remote Control
Product Dimensions (DxWxH)	8.19"D x 8.5"W x 28.07"H
Item Weight	26.2 Pounds

Feature	Detail
Power Source	Corded Electric
Manufacturer	Music Tribe US
UPC	653341308535





10. WARRANTY AND SUPPORT

The Turbosound iP300 Loudspeaker 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 further inquiries, please contact Turbosound customer service or visit their official website. Keep your purchase receipt as proof of purchase for warranty claims.



Related Documents - IP300

	<p>Turbosound iP300 Quick Start Guide: Setup, Controls, and Features</p> <p>Get started quickly with the Turbosound iP300, a 600 Watt Powered Column Loudspeaker featuring Klark Teknik Spatial Sound Technology, digital mixer, Bluetooth streaming, and remote control. This guide covers unpacking, controls, DSP menu, connectivity, and specifications.</p>
	<p>Turbosound iP300 Quick Start Guide</p> <p>Get started with your Turbosound iP300 powered column loudspeaker. This guide covers setup, controls, and Bluetooth connectivity for this 600 Watt loudspeaker featuring KLARK TEKNIK Spatial Sound Technology.</p>
	<p>Turbosound iQ Series Quick Start Guide: Powered Loudspeakers and Subwoofers</p> <p>Comprehensive quick start guide for Turbosound iQ Series powered loudspeakers and subwoofers, detailing setup, controls, networking, mounting, DSP features, and technical specifications.</p>
	<p>Turbosound INSPIRE iP2000/iP1000/iP500 Quick Start Guide</p> <p>Quick start guide for the Turbosound INSPIRE iP2000, iP1000, and iP500 powered column loudspeakers, detailing setup, safety instructions, controls, and Bluetooth connectivity.</p>

<div><div>Quick Start Guide</div><div></div><div><div>INSPIRE</div><div>IP2000/IP1000/IP500</div><div><small>Intelligent iQ™ Powered Column Loudspeakers with a 12"™ Subwoofer, 100W, Bluetooth, iQ™ Series, Black, Steel, and Bluetooth® Audio Streaming, Remote Control and Personalized Audio Settings</small></div></div><div><div></div></div></div>	<div>Turbosound iNSPIRE iP2000/iP1000/iP500 Quick Start Guide</div> <div>Get started with your Turbosound iNSPIRE iP2000, iP1000, and iP500 powered column loudspeakers. This guide covers assembly, controls, Bluetooth connectivity, and essential setup information for these high-performance audio systems.</div>
<div><div>Quick Start Guide</div><div></div><div><div>iQ Series</div><div><small>iQ8/iQ10/iQ12/iQ15/iQ15B/iQ18B iQ™ Powered Loudspeakers 800W/1000W/1200W/1500W/1800W/2000W, Bluetooth, iQ™ Series, Black, Steel, and Bluetooth® Audio Streaming, Remote Control and Personalized Audio Settings</small></div></div><div><div></div></div></div>	<div>Turbosound iQ Series Powered Loudspeakers & Subwoofers: Quick Start Guide</div> <div>Get started quickly with Turbosound's iQ Series powered loudspeakers and subwoofers. This guide covers safety, controls, DSP functions, networking, mounting, and technical specifications for models like iQ8, iQ10, iQ12, iQ15, iQ15B, and iQ18B, featuring KLARK TEKNIK DSP and ULTRANET.</div>