

Onkyo GX-D90

ONKYO WAVIO GX-D90(B) 15W+15W Powered Speakers User Manual

Model: GX-D90 | Brand: Onkyo

1. INTRODUCTION

Thank you for purchasing the ONKYO WAVIO GX-D90(B) Powered Speakers. These speakers are designed to deliver high-fidelity audio for your computer and other digital/analog sources. Featuring advanced technologies like the VLSC circuit and a newly developed tweeter, the GX-D90(B) provides exceptional sound quality and a refined listening experience. Please read this manual thoroughly before use to ensure proper setup and operation.

2. KEY FEATURES

- Pure analog conversion with patented 'VLSC' (Vector Linear Shaping Circuitry) technology for noise reduction.
- Equipped with 24bit/96kHz compatible digital input terminals (optical and coaxial).
- High-quality 15W + 15W amplifier for robust sound output.
- Newly developed balanced dome tweeter, capable of reproducing frequencies up to 90kHz.
- Features a 9cm woofer with OMF (ONKYO Micro Fiber) diaphragm for accurate bass reproduction.
- S-line edge and new multi-arm damper design for enhanced noise reduction and sound clarity.
- Durable MDF (Medium-Density Fiberboard) cabinet construction for superior acoustic performance.

3. PRODUCT OVERVIEW

The image below illustrates the ONKYO WAVIO GX-D90(B) powered speakers, highlighting their design and front panel controls.



Image: ONKYO WAVIO GX-D90(B) Powered Speakers. The left speaker shows the 9cm OMF woofer and balanced dome tweeter. The right speaker, with its grille on, displays the front panel controls including the headphone jack, input selector, bass/treble controls, and volume knob.

The active (right) speaker houses the amplifier and controls, while the passive (left) speaker connects to the active unit. The front panel provides easy access to essential functions.

4. SETUP

4.1 Unpacking

Carefully remove the speakers and all accessories from the packaging. Ensure all components are present:

- Active Speaker (Right)
- Passive Speaker (Left)
- Speaker Cable (for connecting active to passive speaker)
- Power Cord
- Audio Cables (e.g., RCA stereo cable, digital optical/coaxial cable - may vary by region/package)

4.2 Placement

Place the speakers on a stable, flat surface such as a desk or shelf. For optimal stereo imaging, position the speakers equidistant from your listening position and spaced appropriately apart. Avoid placing them too close to walls or corners, which can affect bass response.

4.3 Connections

Ensure the speakers are powered off before making any connections.

- **Connecting the Passive Speaker:** Connect the supplied speaker cable from the speaker output terminals on the active (right) speaker to the input terminals on the passive (left) speaker. Ensure correct polarity (+ to + and - to -).
- **Digital Audio Input:** Connect your digital audio source (e.g., PC, CD player, game console) to one of the digital input terminals (optical or coaxial) on the rear of the active speaker using an appropriate digital audio cable.
- **Analog Audio Input:** Connect your analog audio source (e.g., PC, smartphone, turntable with pre-amp) to the RCA stereo analog input terminals on the rear of the active speaker using an RCA stereo audio cable.
- **Subwoofer Output:** If you wish to add an external subwoofer, connect it to the RCA monaural subwoofer output terminal on the rear of the active speaker.
- **Headphone Output:** For private listening, plug your headphones into the 3.5mm stereo headphone jack on the front panel of the active speaker.

4.4 Power Connection

After all audio connections are made, connect the power cord to the active speaker's power input and then to a suitable AC power outlet (100V, 50/60Hz).

5. OPERATING INSTRUCTIONS

5.1 Front Panel Controls

- **PHONES Jack:** 3.5mm stereo jack for connecting headphones. Plugging in headphones will mute the main speakers.
- **INPUT Selector:** Button to switch between Digital and Analog audio inputs.
- **BASS Control:** Rotary knob to adjust the low-frequency (bass) level.
- **TREBLE Control:** Rotary knob to adjust the high-frequency (treble) level.
- **VOLUME Knob:** Rotary knob to adjust the overall output volume. Turn clockwise to increase, counter-clockwise to decrease. The power switch is integrated into this knob (OFF/MAX).

5.2 Basic Operation

1. **Power On/Off:** Turn the VOLUME knob clockwise from the 'OFF' position to power on the speakers. Turn it counter-clockwise to the 'OFF' position to power off.
2. **Input Selection:** Press the 'INPUT' button to cycle through the available digital and analog inputs until your desired source is selected. An indicator light will show the active input.
3. **Volume Adjustment:** Rotate the 'VOLUME' knob to set the desired listening level.
4. **Tone Control:** Use the 'BASS' and 'TREBLE' knobs to fine-tune the low and high frequencies according to your preference.

6. MAINTENANCE

To ensure the longevity and optimal performance of your speakers, follow these maintenance guidelines:

- **Cleaning:** Wipe the speaker cabinets with a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water or a mild, non-abrasive cleaner. Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the finish.

- **Dust:** Regularly dust the speaker grilles and drivers using a soft brush or vacuum cleaner with a brush attachment.
- **Environment:** Avoid exposing the speakers to direct sunlight, extreme temperatures, high humidity, or excessive dust. Ensure adequate ventilation around the speakers.
- **Cables:** Periodically check all cables for any signs of wear or damage. Replace damaged cables immediately.

7. TROUBLESHOOTING

If you encounter any issues with your ONKYO WAVIO GX-D90(B) speakers, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
No sound from speakers	<ul style="list-style-type: none">• Power is off.• Volume is too low.• Incorrect input selected.• Cables are loose or incorrectly connected.• Headphones are plugged in.	<ul style="list-style-type: none">• Turn the VOLUME knob clockwise to power on.• Increase the volume.• Press the INPUT button to select the correct source.• Check all audio and speaker cable connections.• Unplug headphones.
Distorted sound	<ul style="list-style-type: none">• Volume is too high.• Source audio is distorted.• Tone controls (Bass/Treble) are set too high.	<ul style="list-style-type: none">• Decrease the volume.• Check the audio source for distortion.• Adjust Bass and Treble controls to a neutral position or lower.
No bass or treble	Tone controls are set too low.	Adjust Bass and Treble controls to increase desired frequencies.
Sound only from one speaker	<ul style="list-style-type: none">• Speaker cable to passive speaker is loose or faulty.• Source audio is mono or unbalanced.	<ul style="list-style-type: none">• Check the speaker cable connection between the active and passive speakers.• Test with a different audio source or cable.

8. SPECIFICATIONS

Feature	Specification
Model Number	GX-D90
Speaker Type	2-way Bass Reflex Powered Speaker System
Total Output Power	30W (15W + 15W at 4Ω)
Woofer Diameter	9 cm (OMF diaphragm)

Feature	Specification
Tweeter Type	Balanced Dome (up to 90kHz reproduction)
Audio Channels	2.0
Input Terminals	Digital x 2 (Optical, Coaxial), Analog x 1 (RCA Stereo, gold-plated)
Output Terminals	Subwoofer Output x 1 (RCA Monaural, gold-plated), Headphone Output x 1 (3.5mm Stereo, gold-plated)
Connectivity	Wired
Control Method	Rotary Knobs, Push Buttons
Power Supply	AC 100V (50/60Hz)
Dimensions (W x H x D)	Approx. 43.8 cm x 18.4 cm x 29.7 cm
Weight	Approx. 600 grams
Color	Black
Mounting Type	Tabletop Mount
Recommended Use	For Computer
Waterproof	No

9. WARRANTY INFORMATION

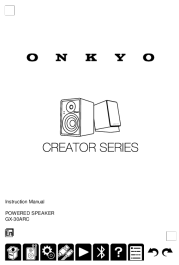




ONKYO products are manufactured to the highest quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or contact your local ONKYO dealer or service center. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For further assistance, technical support, or service inquiries, please visit the official Onkyo website or contact your regional customer support center. Contact information can typically be found on the Onkyo website or in the product packaging.



Related Documents - GX-D90

	<p>Onkyo GX-30ARC Powered Speakers Instruction Manual</p> <p>Comprehensive instruction manual for the Onkyo GX-30ARC powered speaker system, covering setup, connections, playback, troubleshooting, and specifications.</p>
	<p>Onkyo GX-30ARC Powered Speakers Instruction Manual</p> <p>Detailed instruction manual for the Onkyo GX-30ARC powered speakers, covering setup, connections, playback, troubleshooting, and specifications. Learn how to connect various devices and optimize your audio experience.</p>
	<p>Onkyo GX-10DB Creator Series Powered Speaker Instruction Manual</p> <p>Comprehensive instruction manual for the Onkyo GX-10DB Creator Series powered speaker, detailing setup, connections, playback modes, troubleshooting, and technical specifications.</p>
	<p>Onkyo GX-10DB Creator Series Powered Speaker Instruction Manual</p> <p>Comprehensive instruction manual for the Onkyo GX-10DB Creator Series Powered Speaker, covering setup, connections, playback, troubleshooting, and specifications. Learn how to connect various audio sources including PC, TV, turntable, and subwoofer, and utilize Bluetooth functionality.</p>
	<p>Onkyo GX-10DB Creator Series Wireless Speaker User Manual Setup, Operation & Troubleshooting</p> <p>Comprehensive user manual for the Onkyo GX-10DB Creator Series wireless speaker. This guide covers box contents, front/rear panel descriptions, remote control functions, installation, connections (PC, TV, turntable, subwoofer), basic and advanced operations, Bluetooth pairing, playback, troubleshooting, and detailed specifications.</p>

O N K Y O



Manuel d'instructions
ENCEINTES AMPLIFIÉES
GX-30ARC



[Manuel d'instructions des enceintes amplifiées Onkyo GX-30ARC Creator Series](#)

Manuel d'instructions détaillé pour les enceintes amplifiées Onkyo GX-30ARC Creator Series, couvrant la configuration, les connexions, le fonctionnement, l'appairage Bluetooth, le dépannage et les spécifications.