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› ECOXGEAR Defender Portable Bluetooth Speaker User Manual

ECOXGEAR GDI-EXDFNR01

ECOXGEAR Defender Portable Bluetooth Speaker User Manual

Model: GDI-EXDFNR01

Brand: ECOXGEAR

1. INTRODUCTION

The ECOXGEAR Defender is a rugged, portable Bluetooth speaker designed for outdoor adventures. It delivers powerful sound, features LED party lights, and is built to withstand water and dust. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your Defender speaker.



Figure 1.1: Front view of the ECOXGEAR Defender speaker.

2. WHAT'S IN THE BOX

Upon unboxing your ECOXGEAR Defender, please ensure all the following items are present:

- 1x Defender Speaker
- 1x AC Power Adapter
- User Guide

3. KEY FEATURES

The ECOXGEAR Defender is equipped with a range of features designed for superior outdoor audio performance:

- **IP67 Waterproof and Dustproof:** Fully submersible and protected against dust, ensuring durability in various environments. The speaker also floats.
- **Massive 121dB Sound:** A dynamic 100-watt amplifier drives a 6x9-inch full-range driver and a 1.7-inch tweeter for powerful, balanced acoustics.
- **EcoDSP Built-in:** High-performance 24-bit DSP with audio enhancing engine offering 3 equalizer settings (maximum bass, warmer indoor profile, high frequency for max decibel).
- **EcoCast Technology:** Wirelessly connect up to 100 EcoCast-enabled speakers for a massive mono (party mode) system.
- **Extended Playtime:** Over 25 hours of battery life at average listening levels (6+ hours at full volume).
- **Multi-Audio Source Inputs/Outputs:** Bluetooth 5.1 connectivity up to 100 feet, dual phone connection, built-in speakerphone, and external microphone jack (mic sold separately).
- **Integrated LED Party Lights:** Built-in RGB LED lights add a visual dimension to your music.
- **Integrated Flashlight and Bottle Opener:** Convenient tools for outdoor use.



Figure 3.1: Overview of key features including Bluetooth, EcoCast, and LED lights.

100 LUMEN FLASHLIGHT



BOTTLE OPENER

Figure 3.2: The integrated 100 lumen flashlight and bottle opener for added utility.

4. SETUP

4.1 Charging the Speaker

Before first use, fully charge your ECOXGEAR Defender. The included AC power adapter connects to the DC-IN port located under the waterproof cap on the side of the speaker. A full charge takes approximately 6 hours.

Video 4.1: Official product video demonstrating the ECOXGEAR Defender's features and usage scenarios.

4.2 Bluetooth Pairing

1. Power on the Defender speaker by pressing the power button.

2. The Bluetooth indicator light will flash, indicating it's in pairing mode.
3. On your mobile device, enable Bluetooth and select "ECOXGEAR Defender" from the list of available devices.
4. Once connected, the Bluetooth indicator will remain solid.

4.3 EcoCast Connection

To connect multiple EcoCast-enabled speakers:

1. Ensure all speakers are powered on and in Bluetooth mode.
2. On the primary speaker (connected to your device), press the EcoCast button.
3. On the secondary speakers, press their EcoCast buttons. They will automatically connect to the primary speaker, creating a synchronized audio experience.

5. OPERATING THE SPEAKER

5.1 Control Panel Overview

The control panel on top of the speaker provides easy access to all functions:

- **Power Button:** Turns the speaker on/off.
- **Bluetooth Button:** Toggles Bluetooth pairing mode.
- **Volume +/-:** Adjusts the main audio volume.
- **Play/Pause:** Controls music playback.
- **Track Skip:** Skips to the next or previous track.
- **Mic +/-:** Adjusts microphone volume (when a microphone is connected).
- **EcoCast Button:** Initiates or joins an EcoCast group.
- **LEDCast Button:** Cycles through LED light modes or turns them off.
- **EcoEQ Button:** Cycles through the 3 equalizer settings (Indoor, Outdoor, Balanced).



Figure 5.1: The speaker displaying its multi-color LED party lights.

5.2 LED Party Lights

Press the LEDCast button to cycle through various light modes, including solid colors, pulsing effects, and multi-color displays. Hold the button to turn the lights off.

5.3 EQ Modes

The EcoEQ button allows you to optimize sound for different environments:

- **Indoor Mode:** Provides a warmer audio profile suitable for enclosed spaces.
- **Outdoor Mode:** Maximizes decibel levels for clear sound projection in open areas.
- **Balanced Mode:** Offers a neutral sound profile for general listening.

6. MAINTENANCE

6.1 Waterproof and Dustproof Care

The Defender speaker is IP67 rated, meaning it is fully waterproof and dustproof. To maintain its integrity:

- Ensure the waterproof cap covering the ports is securely closed before exposing the speaker to water or dust.
- Rinse the speaker with fresh water after exposure to saltwater or chlorinated water to prevent corrosion.
- Do not use abrasive cleaners or solvents on the speaker. Use a soft, damp cloth for cleaning.



Figure 6.1: The ECOXGEAR Defender is designed to float and withstand water exposure.

7. TROUBLESHOOTING

If you encounter issues with your ECOXGEAR Defender, try the following solutions:

- **No Power:** Ensure the battery is charged. Connect the AC adapter and allow it to charge for a few minutes before attempting to power on.
- **Bluetooth Connectivity Issues:** Ensure the speaker is in pairing mode (flashing Bluetooth light). Turn off and on Bluetooth on your device. Move your device closer to the speaker (within 100 feet). Forget the device on your phone and re-pair.
- **No Sound/Low Volume:** Check the volume levels on both the speaker and your connected device. Ensure the correct EQ mode is selected for your environment.
- **EcoCast Not Connecting:** Ensure all speakers are EcoCast-enabled and within range. Follow the EcoCast connection steps carefully.

For further assistance, please refer to the support section or contact customer service.

8. SPECIFICATIONS

Feature	Specification
Model Name	DEFENDER
Speaker Type	Outdoor

Water Resistance Level	IP67 Waterproof & Dustproof
Speaker Maximum Output Power	100 Watts
Signal-to-Noise Ratio	121 dB
Woofer Diameter	8.65 Inches
Tweeter Diameter	1.7 Inches
Battery Life	25+ Hours (average listening)
Charging Time	6 Hours
Connectivity Technology	Bluetooth 5.1, Auxiliary
Bluetooth Range	100 Feet
Product Dimensions	6.7"D x 15.4"W x 9.6"H
Item Weight	10.1 Pounds
Material	Polypropylene Carbon (PC), Thermoplastic Polyurethane (TPU), Metal (Titanium), Acrylonitrile Butadiene Styrene (ABS)

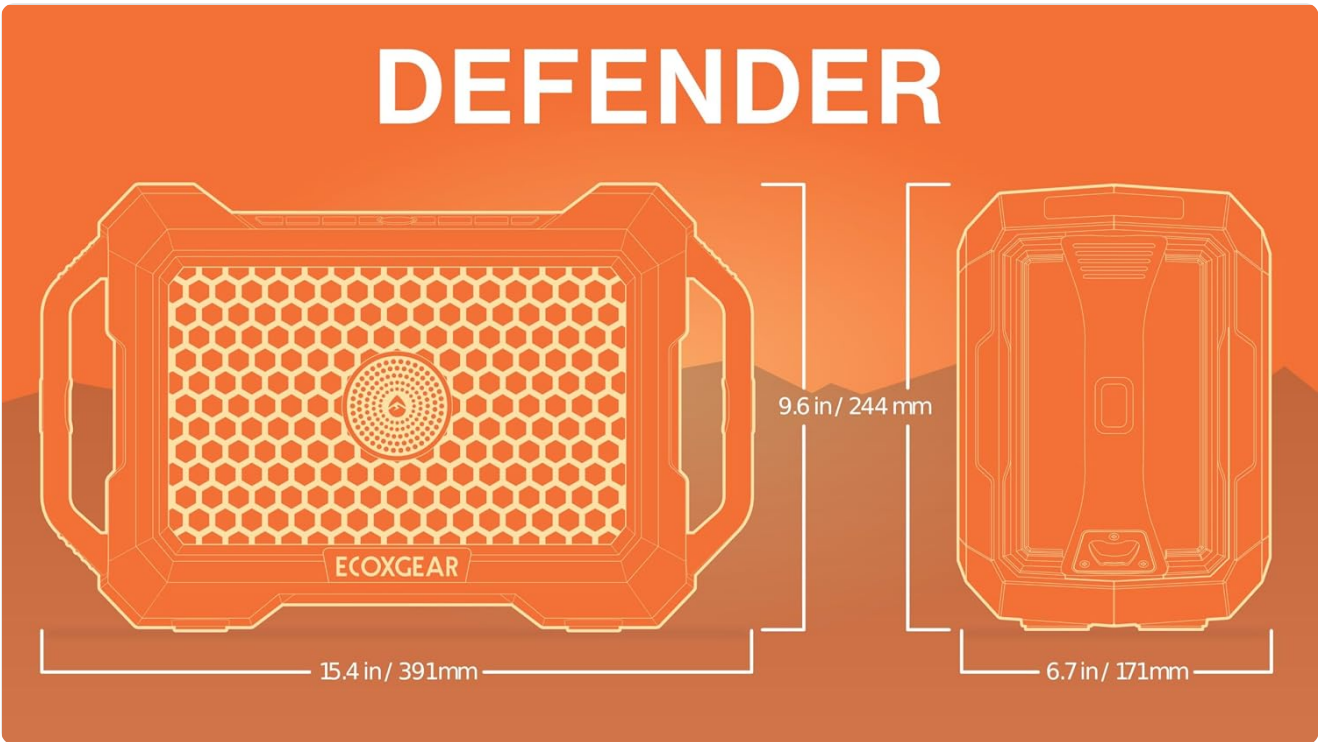


Figure 8.1: Dimensions of the ECOXGEAR Defender speaker.

9. WARRANTY AND SUPPORT

9.1 Manufacturer's Warranty

The ECOXGEAR Defender comes with a **1-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical support, warranty inquiries, or any other questions regarding your ECOXGEAR Defender, please contact ECOXGEAR Factory Direct customer service. Refer to the contact information provided on the ECOXGEAR official website or your product packaging.

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