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Docooler Bone Conduction Speaker User Manual

Model: OYF0544268309661PZ

1. INTRODUCTION

The Docooler Bone Conduction Speaker is a compact and versatile audio device designed to deliver sound through various surfaces. This manual provides detailed instructions for setting up, operating, and maintaining your speaker to ensure optimal performance and longevity.

Its unique bone conduction technology allows for a customizable sound experience, transforming objects into sound sources. The speaker also features True Wireless Stereo (TWS) and Multi-Speaker (CSB) modes for expanded audio setups, along with dynamic RGB lighting and multiple EQ settings.



Figure 1: Docooler Bone Conduction Speaker (Black)

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Video 1: Docooler Bone Conduction Speaker Pro Overview. This video provides a general overview of the speaker's design, features, and capabilities, including its sound unit, TWS/FM support, battery, charging, and waterproof design.

2. WHAT'S IN THE BOX

Please check the package contents upon unboxing to ensure all items are present:

- BT Speaker
- Lanyard
- Suction Cup Pad
- Sticker
- Magnetic Pads (multiple)

- Type-C Charge Cable
- User Manual (this document)

3. PRODUCT FEATURES

- **Bone Conduction Technology:** Transforms various surfaces into sound sources, offering a unique audio experience.
- **Compact Design:** Small size (4.3cm diameter, 3.4cm height) and lightweight (approx. 55g) for easy portability.
- **True Wireless Stereo (TWS):** Pair two speakers for a 2.0 surround sound experience.
- **Multi-Speaker Mode (CSB):** Connect up to 100 units for an expansive sound field.
- **RGB Lighting:** Features a rhythm lamp mode with color-changing LED lights to enhance the ambiance.
- **Multiple EQ Modes:** Customize your sound with BASS, MIDDLE, TREBLE, and NORMAL equalization settings.
- **IP54 Waterproof:** Provides protection against splashing water and dust, suitable for various environments.
- **Bluetooth 5.0:** Ensures stable and high-speed wireless connectivity.
- **Long Battery Life:** Up to 6 hours of playback on a single charge, with a 1.5-hour charging time.
- **Versatile Mounting:** Includes magnetic pads and a suction cup for attachment to different surfaces.

Long-Lasting, Always Online

Compact body with a large-capacity battery, allowing you to enjoy 6 hours easily, and you can also charge it while playing



Figure 2: Key features of the Docooler Bone Conduction Speaker, highlighting its waterproof design, compact form factor, and colorful light effects.

Multi-channel playback

Creating a Personal Space Sound Field



Figure 3: Diagram illustrating the Bluetooth 5.0 chip for stable and high-speed signal transmission.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the speaker using the provided Type-C charging cable. The charging port is located on the side of the speaker.

Have Fun In A Colorful Way
Neon light effect, moving with the tune,
excellent performance at all times



Figure 4: Speaker connected to a Type-C charging cable, indicating charging status.

4.2 Power On/Off

Press and hold the power button (located on the top surface) for 3 seconds to power on or off the speaker. A voice prompt will confirm the action.

4.3 Bluetooth Pairing

1. Ensure the speaker is powered on and in Bluetooth pairing mode (indicated by a flashing LED light).
2. On your smartphone or other Bluetooth-enabled device, go to Bluetooth settings.
3. Search for "Hum_Pro SPEAKER" in the list of available devices.
4. Select it to pair. A voice prompt will confirm successful connection.

4.4 True Wireless Stereo (TWS) Mode

To achieve 2.0 surround sound, you can pair two Docooler Bone Conduction Speakers:

1. Power on both speakers.
2. On one speaker, quickly press the power button three times to enter TWS pairing mode.

3. The speakers will automatically connect within 3-5 seconds. A voice prompt will confirm "TWS Connected".
4. Connect your device to one of the paired speakers via Bluetooth as described in Section 4.3.

4.5 Multi-Speaker (CSB) Mode

For an immersive audio experience, connect multiple speakers (up to 100 units) in CSB mode:

1. Power on all speakers you wish to connect.
2. On one speaker, quickly press the power button three times, then press it three more times (six presses total) to enter CSB pairing mode.
3. The speakers will automatically connect. A voice prompt will confirm "CSB Mode".
4. Connect your device to one of the paired speakers via Bluetooth as described in Section 4.3.

Your browser does not support the video tag.

Video 2: Demonstration of Speaker Operation. This video illustrates the unboxing process, power on, TWS mode, CSB mode, and Bluetooth pairing steps for the speaker.

5. OPERATING INSTRUCTIONS

5.1 Basic Controls

The speaker features a multi-function button on its top surface for various controls:

- **Click (single press):** Play/Pause music.
- **Double Click (two presses):** Switch to the next song.
- **Three Clicks (three presses):** Switch to TWS stereo mode (if two speakers are present).
- **Three Clicks Again (six presses total):** Switch to CSB multi-speaker mode (if multiple speakers are present).
- **Four Clicks (four presses):** Switch between speaker EQ modes (BASS, MIDDLE, TREBLE, NORMAL).
- **Press and Hold:** Turn on and off the speaker.

Volume control is typically managed via your connected device.

5.2 RGB Light Mode

The speaker includes an RGB rhythm lamp mode. To activate or deactivate the LED lights, quickly press the power button four times after turning on the speaker. The lights will cycle through colors or turn off.



Figure 5: Speaker displaying its RGB color-changing light effect.

5.3 Surface Placement for Sound

Experiment with placing the speaker on different surfaces to discover unique sound characteristics. Larger, hollow objects tend to produce louder and richer sound. Use the included magnetic pads or suction cup for secure attachment.

- **Plastic Surfaces:** Can produce rich bass and natural sound.
- **Metal Surfaces:** May offer a home theater-like experience.
- **Glass Surfaces:** Often result in clear and loud audio.
- **Wooden Surfaces (e.g., guitar):** Can amplify sound with unique resonance.

Humbird Speaker Pro Type

Awaken Your Ears with High-Quality Sound

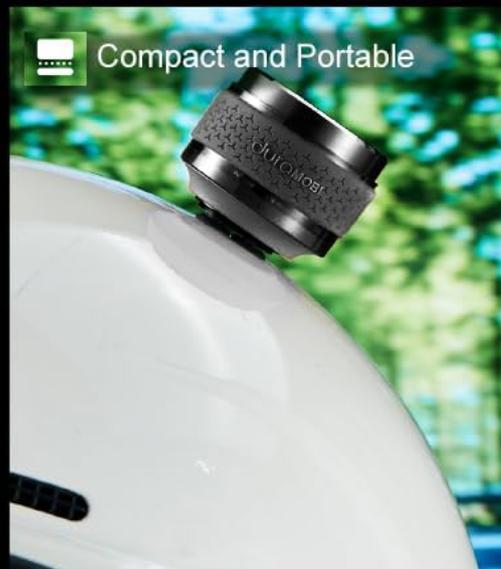


Figure 6: Examples of speaker placement on different surfaces and their potential sound effects.

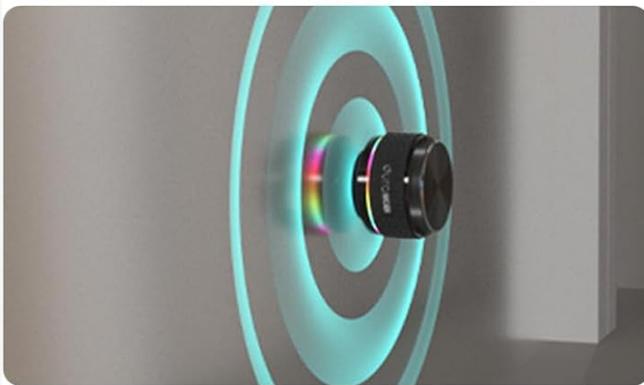


Place on plastic

The bass is rich and reflects natural sound

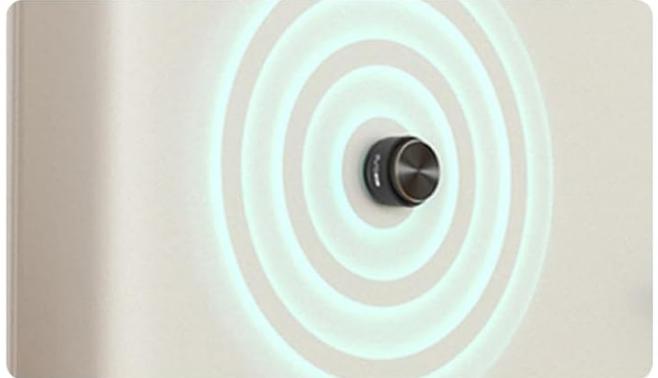
Place on metal

Experience Home Theater Experience



Place the bathroom door

Experience Home Theater Experience



Place on glass

Clear and loud voice



Figure 7: Illustration of multiple speakers creating a 3D space sound field for multi-channel playback.

6. MAINTENANCE

- **Cleaning:** Wipe the speaker with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and dry immediately. Do not use harsh chemicals or abrasive cleaners.
- **Water Resistance:** The speaker is IP54 waterproof, meaning it is protected against splashing water and dust. Do not submerge the speaker in water or expose it to heavy rain for extended periods.
- **Storage:** Store the speaker in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Battery Care:** To prolong battery life, avoid fully discharging the speaker frequently. Charge it regularly, even if not in constant use.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Speaker does not power on.	Low battery; power button not pressed correctly.	Charge the speaker fully. Press and hold the power button for 3 seconds.
Cannot pair via Bluetooth.	Speaker not in pairing mode; device Bluetooth off; too far from device.	Ensure speaker is in pairing mode. Turn Bluetooth on/off on your device. Move speaker closer to device.
No sound or low volume.	Volume too low on speaker or device; poor surface contact; incorrect EQ mode.	Increase volume on both speaker and device. Ensure firm contact with a suitable surface. Cycle through EQ modes.
TWS/CSB mode not connecting.	Incorrect pairing sequence; speakers too far apart.	Repeat the TWS/CSB pairing steps carefully. Ensure speakers are within close proximity.
LED lights not working.	LED mode deactivated.	Quickly press the power button four times to activate the rhythm lamp mode.

8. SPECIFICATIONS

Feature	Detail
Model Name	2024 Upgraded Small Speaker
Model Number	OYF0544268309661PZ
Brand	Docooler
Connectivity Technology	Bluetooth 5.0
Speaker Type	Bone Conduction, Portable, Outdoor, Surround Sound
Special Features	LED Light, Shockproof, Stereo Pairing (Up to 100 pcs), IP54 Waterproof
Audio Output Mode	Stereo, Surround
Speaker Maximum Output Power	4 Watts
Frequency Response	18 KHz
Power Source	Battery Powered
Battery Capacity	450 Milliamp Hours
Charging Time	1.5 Hours
Product Dimensions	1.69"D x 3.35"W x 1.97"H

Feature	Detail
Item Weight	4.9 ounces
Material	Acrylonitrile Butadiene Styrene (ABS), Aluminum
Control Method	Touch

9. WARRANTY AND SUPPORT

This Docooler Bone Conduction Speaker comes with a **Limited Warranty**. Please refer to the warranty card included in your package for specific terms and conditions.

For technical support, product inquiries, or warranty claims, please contact Docooler customer service through the official website or your retailer's support channels. Keep your purchase receipt and product model number (OYF0544268309661PZ) handy for faster service.

You can visit the [Docooler Store on Amazon](#) for more information and support resources.